

Conklingville Dam and Great Sacandaga Lake

| | |
|--------------------------------|--------------|
| Investment Cost | \$12,104,830 |
| Interest Rate on 40 Year Bonds | 4.50% |
| Economic Service Life (Yrs) | 100 |

| Year | 2002 | 2003 | 2004 | 2005 |
|------------------------------------|-------------|-------------|-------------|-------------|
| Joint-Use Capital Cost | 0 | 0 | 0 | 0 |
| Depreciation | \$121,048 | \$121,048 | \$121,048 | \$121,048 |
| Depreciation of Dam Bulkheads etc. | | | | |
| Maintenance Cost | \$1,550,843 | \$1,332,204 | \$1,261,540 | \$982,232 |
| Total Annual Costs | \$1,671,891 | \$1,453,252 | \$1,382,588 | \$1,103,280 |
| Cost Allocated to power | \$779,937 | \$677,942 | \$644,977 | \$514,680 |

Bulk Head Cost \$168,000 in 2007 and in \$520,643 in 2008

Dow Valve Pin Replacement Depreciated in 40 Years (Straightline)

Alternate Energy Cost (\$/MWh)

| | Owner | | | Replacement Values |
|------------------------------|-----------------------------|-------|-------|--------------------|
| E J West (P-2318) | Erie Boulevard | 37.65 | 52.20 | 51.95 76.10 |
| Stewarts Bridge (P-2047) | Erie Boulevard | 37.65 | 52.20 | 51.95 76.10 |
| Curtis (P-2609) | Curtis Electric Co. | 37.65 | 52.20 | 51.95 76.10 |
| Palmer (P-2609) | Curtis Electric Co. | 37.65 | 52.20 | 51.95 76.10 |
| Spier Falls (P-2482) | Erie Boulevard | 37.65 | 52.20 | 51.95 76.10 |
| Shernan Island (P-2482) | Erie Boulevard | 37.65 | 52.20 | 51.95 76.10 |
| Feeder (P-2554) | Erie Boulevard | 37.65 | 52.20 | 51.95 76.10 |
| South Glens Falls (P-5461) | So.Glens Falls Ptosp | 37.65 | 52.20 | 51.95 76.10 |
| Glens Falls (P-2385) | Erie Boulevard | 37.65 | 52.20 | 51.95 76.10 |
| Hudson Falls (P-5276) | Northern Elec.PWR Co. | 37.65 | 52.20 | 51.95 76.10 |
| Fort. Miller (P-4226) | Fort Miller Associates | 85 | 85 | 85 86 |
| Stillwater (P-4684) | Stillwater Hydro Associates | | | |
| Upper Mechanicville (P-2934) | NY State Electric & Gas Co. | 37.65 | 52.20 | 51.95 76.10 |
| Mechanicville (P-6032) | Albany Engineering Co. | 37.65 | 52.20 | 51.95 76.10 |
| Green Island (P-13) | Green Island Power Co. | 37.65 | 52.20 | 51.95 76.10 |

Annual Engy Gains (MWh) Totals By Plant

| | Owner | | | Annual Energy Ga |
|------------------------------|-----------------------------|---------|--------|------------------|
| E J West (P-2318) | Erie Boulevard | 12,722 | 7254 | 17168 15936 |
| Stewarts Bridge (P-2047) | Erie Boulevard | 17,215 | 6480 | 25350 23634 |
| Curtis (P-2609) | Curtis Electric Co. | 4,670 | 3718 | 5554 5837 |
| Palmer (P-2609) | Curtis Electric Co. | 21,098 | 14130 | 24488 24861 |
| Spier Falls (P-2482) | Erie Boulevard | 15,984 | 8612 | 14580 19427 |
| Shernan Island (P-2482) | Erie Boulevard | 13,865 | 9984 | 16462 17256 |
| Feeder (P-2554) | Erie Boulevard | 1,982 | 1999 | 2276 2369 |
| South Glens Falls (P-5461) | So.Glens Falls Ptosp | 14,971 | 10186 | 16225 16838 |
| Glens Falls (P-2385) | Erie Boulevard | 10,951 | 6998 | 12028 12271 |
| Hudson Falls (P-5276) | Northern Elec.PWR Co. | 14,839 | 7532 | 15818 17781 |
| Fort. Miller (P-4226) | Fort Miller Associates | 1,301 | 1080 | 480 1956 |
| Stillwater (P-4684) | Stillwater Hydro Associates | 598 | 487 | 401 600 |
| Upper Mechanicville (P-2934) | NY State Electric & Gas Co. | 4,898 | 4028 | 6794 7289 |
| Mechanicville (P-6032) | Albany Engineering Co. | 924 | 0 | 453 1291 |
| Green Island (P-13) | Green Island Power Co. | 1,222 | 853 | 1069 1624 |
| | | 137,240 | 83,340 | 159,143 168,969 |

Annual Engy Gains (MWh) Totals By Owner

| | | | | |
|-------------------------------|---------|--------|---------|---------|
| Erie Boulevard | 72,720 | 41,327 | 87,863 | 90,892 |
| Curtis Electric Co. | 25,767 | 17,848 | 30,042 | 30,698 |
| South Glens Falls Partnership | 14,971 | 10,186 | 16,225 | 16,838 |
| Northern Electric Power Co. | 14,839 | 7,532 | 15,818 | 17,781 |
| Fort Miller Associates | 1,301 | 1,080 | 480 | 1,956 |
| Still Water Associates | 598 | 487 | 401 | 600 |
| NY State Electric & Gas Co. | 4,898 | 4,028 | 6,794 | 7,289 |
| Albany Engineering Co. | 924 | 0 | 453 | 1,291 |
| Green Island Power Co. | 1,222 | 853 | 1,069 | 1,624 |
| | 137,240 | 83,340 | 159,143 | 168,969 |

Annual Power Benefits=Energy Gains x Alternate Cost

| | | | | |
|--------------------------------|-------------|-------------|-------------|-------------|
| Erie Boulevard | \$2,737,895 | \$2,157,243 | \$4,564,504 | \$6,916,912 |
| Curtis Electric Co. | \$970,144 | \$931,676 | \$1,560,661 | \$2,336,125 |
| South Glens Falls Paartnership | \$563,652 | \$531,688 | \$842,899 | \$1,281,395 |
| Northern Electric Power Co. | \$558,705 | \$393,150 | \$821,730 | \$1,353,126 |
| Fort Miller Associates | \$110,561 | \$91,800 | \$40,800 | \$166,260 |
| Still Water Associates | \$22,523 | \$25,432 | \$20,806 | \$45,637 |
| NY State Electric & Gas Co. | \$184,425 | \$210,251 | \$352,928 | \$554,716 |
| Albany Engineering Co. | \$34,784 | \$0 | \$23,507 | \$98,222 |
| Green Island Power Co. | \$46,000 | \$44,511 | \$55,524 | \$123,586 |

Annual Costs Allocated to Power

| | | | | |
|--------------------------------|-----------|-----------|-----------|-----------|
| Erie Boulevard | \$413,267 | \$336,177 | \$356,094 | \$276,858 |
| Curtis Electric Co. | \$146,437 | \$145,189 | \$121,753 | \$93,506 |
| South Glens Falls Paartnership | \$85,079 | \$82,856 | \$65,758 | \$51,290 |

| | | | | |
|--|-----------|-----------|-----------|-----------|
| Northern Electric Power Co. | \$84,333 | \$61,267 | \$64,106 | \$54,161 |
| Fort Miller Associates | \$7,392 | \$8,785 | \$1,945 | \$5,958 |
| Still Water Associates | \$3,400 | \$3,963 | \$1,623 | \$1,827 |
| NY State Electric & Gas Co. | \$27,838 | \$32,765 | \$27,533 | \$22,203 |
| Albany Engineering Co. | \$5,250 | \$0 | \$1,834 | \$3,931 |
| Green Island Power Co. | \$6,943 | \$6,936 | \$4,332 | \$4,947 |
| | \$779,939 | \$677,939 | \$644,978 | \$514,681 |
| Headwater Benefits Assessments | | | | |
| (Smaller of Annual Power Benefit or Annual cost allocated to power) | | | | |
| Erie Boulevard | \$103,317 | \$336,177 | \$356,094 | \$276,858 |
| Curtis Electric Co. | \$36,609 | \$145,189 | \$121,753 | \$93,506 |
| South Glens Falls Papartnership | \$21,270 | \$82,856 | \$65,758 | \$51,290 |
| Northern Electric Power Co. | \$21,083 | \$61,267 | \$64,106 | \$54,161 |
| Fort Miller Associates | \$1,848 | \$8,785 | \$1,945 | \$5,958 |
| Still Water Associates | \$850 | \$3,963 | \$1,623 | \$1,827 |
| NY State Electric & Gas Co. | \$6,959 | \$32,765 | \$27,533 | \$22,203 |
| Albany Engineering Co. | \$1,313 | \$0 | \$1,834 | \$3,931 |
| Green Island Power Co. | \$1,736 | \$6,936 | \$4,332 | \$4,947 |
| | \$194,985 | \$677,939 | \$644,978 | \$514,681 |

Note: Assessments for 2002 are prorated for three months since the Headwater Project was licensed in September 2001.

Calculation of Annual Costs -1930

| | |
|-----------------------------------|------------------|
| Interest on Capital | \$544,717 |
| Depreciation | \$121,048 |
| Average Maintenace (1931-2001) 1/ | \$45,130 |
| Total Annual Costs | \$710,895 |

1/ 1930 Dollars

Value of Energy Gains

| | |
|-------------------------------------|-------------|
| Average Annual Energy Gains (MWh) | 137,240 |
| Value of Energy in 1930 (mills/kWh) | 4.53 |
| Energy Value | \$621,697 |
| Annual Cost with Power | \$1,332,592 |
| Cost Allocated to Power % | 46.65 |

| | | | |
|-----------|-----------|-----------|-------------|
| 2006 | 2007 | 2008 | |
| 0 | 0 | 0 | |
| \$121,048 | \$121,048 | \$121,048 | |
| | \$4,200 | \$17,216 | |
| \$816,083 | \$742,048 | \$637,857 | |
| \$937,131 | \$867,296 | \$776,121 | \$8,191,559 |
| \$437,172 | \$404,594 | \$362,060 | \$3,821,362 |

s of Energy

| | | |
|-------|-------|-------|
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 86 | 86 | 86 |

| | | |
|-------|-------|-------|
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |
| 59.72 | 70.69 | 82.29 |

ins, MWh

Average

| | | | |
|----------------|----------------|---------------|----------------|
| 13745 | 15986 | 6245 | 12,722 |
| 17160 | 26366 | 4300 | 17,215 |
| 3583 | 5187 | 4139 | 4,670 |
| 22919 | 23887 | 16302 | 21,098 |
| 20961 | 21413 | 10914 | 15,984 |
| 12737 | 14399 | 12354 | 13,865 |
| 1375 | 2141 | 1731 | 1,982 |
| 17490 | 16631 | 12455 | 14,971 |
| 13282 | 13205 | 7923 | 10,951 |
| 17980 | 20031 | 9896 | 14,839 |
| 1311 | 1824 | 1154 | 1,301 |
| 407 | 1196 | 499 | 598 |
| 0 | 7088 | 4191 | 4,898 |
| 869 | 1996 | 935 | 924 |
| 835 | 2177 | 774 | 1,222 |
| 144,652 | 173,526 | 93,812 | 137,240 |

| | | | |
|---------|---------|--------|---------|
| 79,259 | 93,510 | 43,467 | 509,038 |
| 26,502 | 29,074 | 20,441 | 180,372 |
| 17,490 | 16,631 | 12,455 | 104,796 |
| 17,980 | 20,031 | 9,896 | 103,876 |
| 1,311 | 1,824 | 1,154 | 9,105 |
| 407 | 1,196 | 499 | 4,188 |
| 0 | 7,088 | 4,191 | 34,289 |
| 869 | 1,996 | 935 | 6,467 |
| 835 | 2,177 | 774 | 8,552 |
| 144,652 | 173,526 | 93,812 | 960,683 |

| | | |
|-------------|-------------|-------------|
| \$4,733,330 | \$6,610,201 | \$3,576,916 |
| \$1,582,676 | \$2,055,248 | \$1,682,098 |
| \$1,044,515 | \$1,175,631 | \$1,024,914 |
| \$1,073,742 | \$1,416,006 | \$814,309 |
| \$111,452 | \$154,998 | \$98,056 |
| \$24,324 | \$84,531 | \$41,054 |
| \$0 | \$501,079 | \$344,910 |
| \$51,879 | \$141,090 | \$76,974 |
| \$49,848 | \$153,864 | \$63,684 |

| | | | |
|-----------|-----------|-----------|-------------|
| \$239,538 | \$218,028 | \$167,758 | \$2,007,720 |
| \$80,094 | \$67,789 | \$78,891 | \$733,659 |
| \$52,859 | \$38,776 | \$48,069 | \$424,688 |

| | | | |
|-----------|-----------|-----------|-------------|
| \$54,339 | \$46,705 | \$38,191 | \$403,101 |
| \$3,963 | \$4,252 | \$4,452 | \$36,747 |
| \$1,231 | \$2,788 | \$1,925 | \$16,757 |
| \$0 | \$16,527 | \$16,176 | \$143,043 |
| \$2,625 | \$4,654 | \$3,610 | \$21,905 |
| \$2,523 | \$5,075 | \$2,987 | \$33,743 |
| \$437,172 | \$404,594 | \$362,060 | \$3,821,363 |

| | | | |
|-----------|-----------|-----------|-------------|
| \$239,538 | \$218,028 | \$167,758 | \$1,697,770 |
| \$80,094 | \$67,789 | \$78,891 | \$623,832 |
| \$52,859 | \$38,776 | \$48,069 | \$360,878 |
| \$54,339 | \$46,705 | \$38,191 | \$339,852 |
| \$3,963 | \$4,252 | \$4,452 | \$31,203 |
| \$1,231 | \$2,788 | \$1,925 | \$14,208 |
| \$0 | \$16,527 | \$16,176 | \$122,164 |
| \$2,625 | \$4,654 | \$3,610 | \$17,967 |
| \$2,523 | \$5,075 | \$2,987 | \$28,535 |
| \$437,172 | \$404,594 | \$362,060 | \$3,236,409 |

months
 mber 25, 2002

Draft Report
Headwater Benefits Determination
Hudson River Basin
Docket No. HB81-09-2-000

Federal Energy Regulatory Commission
Office of Energy Projects
Division of Hydropower Administration and Compliance
January 2012

Executive Summary

Headwater benefits determinations are conducted in accordance with section 10(f) of the Federal Power Act, which states that whenever any licensee is directly benefitted by the construction work of a licensee, a permittee, or of the United States of a storage reservoir or other headwater improvement, the Commission shall require as a condition of the license that the licensee so benefitted shall reimburse the owner of such reservoir or other improvements for such part of the annual charges for interest, maintenance and depreciation (commonly referred as section 10(f) costs) the Commission may deem equitable.

When the headwater improvement is owned by the United States, the Commission determines the assessments to be paid by the downstream project owners benefitted by the headwater improvement. In accordance with the Commission's regulations at 18 C.F.R. §11.14 (a) (1), owners of downstream and headwater projects may negotiate a settlement of headwater benefits charges and file that agreement with the Commission for approval. If the owners of headwater and downstream projects cannot come to an agreement, any owner of a headwater or downstream project can request that the Commission determine the headwater benefits charges for benefits provided by the non-federal headwater projects.

When the owners of the headwater and downstream projects in the Hudson River Basin could not come to an agreement, the Hudson River-Black River Regulating District (District), owner of the Conklingville Dam-Great Sacandaga Lake headwater project, requested that the Commission conduct a study to determine headwater benefits assessments. The study would cover a period starting with the year 2002 when the District became a licensee.

Based on the results of the Commission study, the headwater benefits assessed to the downstream project owners for the benefits provided by the District's headwater project during the period 2002 through 2008 are shown in Table ES-1. The assessments are based on (1) the energy gains provided by the District's headwater project to fifteen downstream hydropower projects and (2) the section 10(f) costs of the headwater project.

The Commission's regulations also stipulate that whenever an owner of a headwater project requests that the Commission determine headwater benefits charges provided by non-federal headwater projects, the headwater project owners must pay a pro rata share of 50 percent of the cost of making the investigation and determination in proportion to benefits provided by the headwater projects, and the downstream owners must pay pro rata share of the remaining 50 percent in proportion to the energy gains received by their projects.

The cost of the study to determine the headwater benefits assessments in the Hudson River Basin is \$304,785 of which 50%, or \$152,392, is to be borne by the District. The remaining \$152,392 is apportioned among the downstream project owners in proportion to the energy gains received. The apportionment of the study costs among the owners of headwater and downstream projects is shown in Table ES- 2.

Table ES-1
Headwater Benefits Assessments

Hudson River Basin

2002-2008

| Year | 10(f) Cost | 10(f) Cost to Power | Erie Boulevard | Curtis Electric Company | Glenns Falls Ptnsp. | Northern Electric Co. | Fort Miller Assos. | Still Water Assos. | NY State. Elec. & Gas | Albany Engg Co. | Green Island Power |
|--------|-------------|---------------------|----------------|-------------------------|---------------------|-----------------------|--------------------|--------------------|-----------------------|-----------------|--------------------|
| 2002 | \$1,671,891 | \$779,937 | \$103,317 | \$36,609 | \$21,270 | \$21,083 | \$1,848 | \$850 | \$6,959 | \$1,313 | \$1,736 |
| 2003 | \$1,453,252 | \$677,942 | \$336,177 | \$145,189 | \$82,856 | \$61,267 | \$8,785 | \$3,963 | \$32,765 | \$0 | \$6,936 |
| 2004 | \$1,382,588 | \$644,977 | \$356,094 | \$121,753 | \$65,758 | \$64,106 | \$1,945 | \$1,623 | \$27,533 | \$1,834 | \$4,332 |
| 2005 | 3,280 | \$514,680 | \$276,858 | \$93,506 | \$51,290 | \$54,161 | \$5,958 | \$1,827 | \$22,203 | \$3,931 | \$4,947 |
| 2006 | \$937,131 | \$437,172 | \$239,538 | \$80,094 | \$52,859 | \$54,339 | \$3,963 | \$1,231 | \$0 | \$2,625 | \$2,523 |
| 2007 | \$867,296 | \$404,594 | \$218,028 | \$67,789 | \$38,776 | \$46,705 | \$4,252 | \$2,788 | \$16,527 | \$4,654 | \$5,075 |
| 2008 | \$776,121 | \$362,060 | \$167,758 | \$78,891 | \$48,069 | \$38,191 | \$4,452 | \$1,925 | \$16,176 | \$3,610 | \$2,987 |
| Totals | \$8,191,559 | \$3,821,362 | \$1,697,770 | \$623,832 | \$360,878 | \$339,852 | \$31,203 | \$14,208 | \$122,164 | \$17,967 | \$28,535 |

Note: Assessments for 2002 are prorated for three months since the Headwater Project was licensed in September 25, 2002.

Table ES-2.

Apportionment of Study Costs

Hudson River Basin Headwater Benefits Study

| Beneficiary | Energy Gains MWh | Study Costs |
|--|---------------------|-------------|
| Hudson River-Black River Regulating District | NA | \$152,392 |
| Erie Boulevard | 509,038 | \$80,748 |
| Curtis Electric Co. | 180,372 | \$28,612 |
| South Glens Falls Partnership | 104,796 | \$16,624 |
| Northern Electric Power Co. | 103,876 | \$16,478 |
| Fort Miller Associates | 9,105 | \$1,444 |
| Still Water Associates | 4,188 | \$664 |
| NY State Electric & Gas Co. | 34,289 | \$5,439 |
| Albany Engineering Co. | 6,467 | \$1,026 |
| Green Island Power Co. | 8,552 | \$1,357 |
| Totals | 960,683 | 304,784 |

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1 BACKGROUND AND SCOPE

This report describes the analysis of headwater benefits occurring in the Hudson River Basin for the 2003 through 2008 period. It presents the findings of Oak Ridge National Laboratory (ORNL) and Federal Energy Regulatory Commission (FERC or Commission) staff concerning the significance of facilities in the basin and their contribution to or benefit from regulation of streamflow in the Hudson River Basin. This first section describes the geographic and hydrologic setting and scope of the headwater benefits analysis. The second and final section describes the collected data, water balance analysis, and energy gains analysis accomplished with the data.

1.1 Geographic and Hydrologic Setting

The geographic and hydrologic scope of this headwater benefits assessment is the Upper Hudson River Basin (hydrologic sub-region 0202 and accounting unit 020200; 12,500 mi²), which includes the Upper Hudson (02020001; 1,630 mi²), Sacandaga (02020002; 1,050 mi²), Hudson-Hoosic (02020003; 1,880 mi²), Mohawk (02020004; 2,550 mi²), and Schoharie (02020005; 927 mi²) hydrologic cataloging units. The Hudson River Basin is typically delineated as the upper and lower river, with the lower river beginning at the Federal Lock and Dam (Green Island Project, P-0013) at Troy, NY, just downstream of the confluence with the Mohawk (Figure 1). The remaining cataloging units, Middle Hudson (02020006; 2,390 mi²), Rondout (02020007; 1,190 mi²), and Hudson-Wappinger (02020008; 928 mi²), within the Upper Hudson accounting unit are downstream of the Green Island facilities and are not included in the scope of this study.

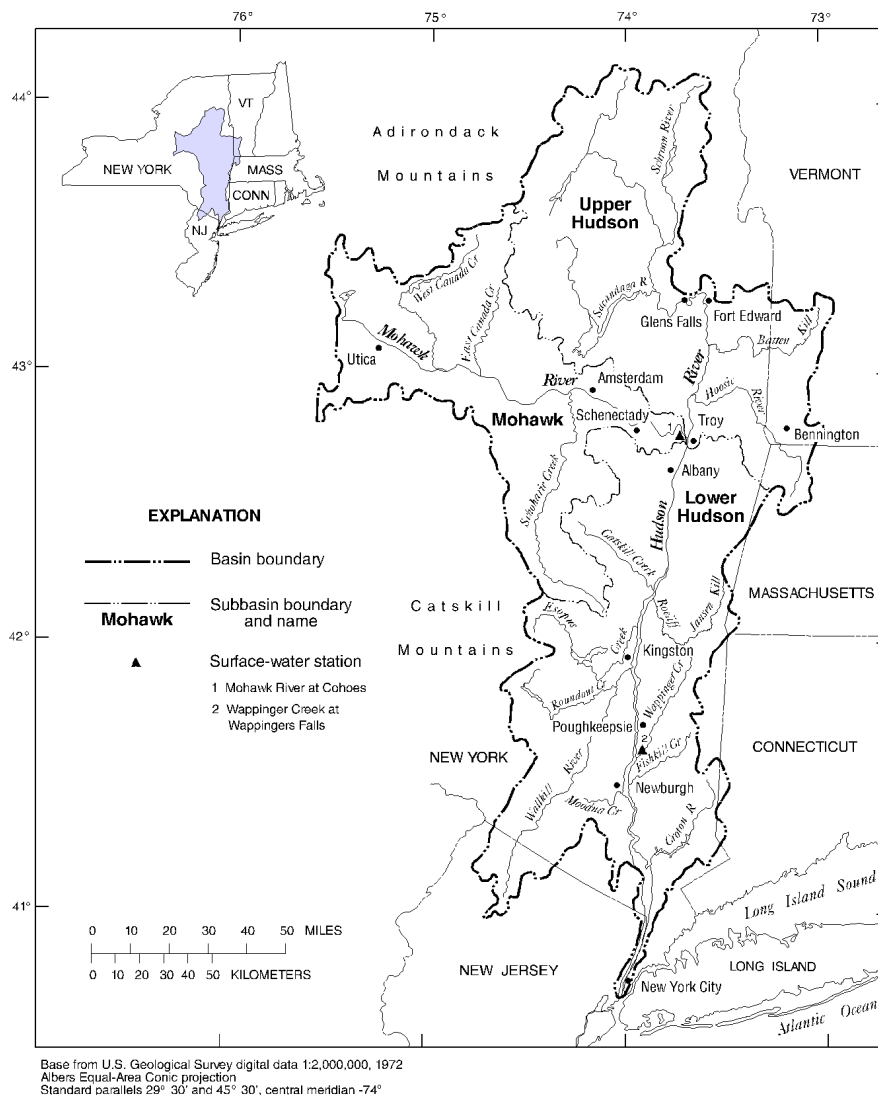


Figure 1. Location of the Hudson River Basin (USGS, 2009)

The Hudson and Sacandaga Rivers emerge from the Adirondack Park, a 5.8 million acre managed area established in 1892 by the State of New York. Just over half of the park acreage is privately owned, with the remaining land acreage (43 percent) owned by the State. The remaining 6.3 percent of the acreage is comprised of streams and lakes, including the principal storage reservoir in the Hudson River Basin, the 24,904-acre Great Sacandaga Lake (GSL), which is impounded by Conklingville Dam. Most of the Upper Hudson (02020001) and Sacandaga (02020002) cataloging units are within the Adirondack Park boundary.

The Upper Hudson River and its tributaries support multiple uses, including lake and river recreation, navigation throughout the New York State Canal System, water supply, and hydropower generation. The flow in the Upper Hudson is regulated primarily by releases from GSL according to an Offer of Settlement Agreement approved by the Commission in 2002 (see FERC eLibrary 20020925-3096). The GSL releases are scheduled and implemented to provide GSL pool elevations for lake recreation;

augment flow in the Sacandaga and Hudson Rivers for water quality and fish habitat; enhance Sacandaga River whitewater recreation; and to enhance hydroelectric generation at Sacandaga and Upper Hudson River facilities.

The Upper Hudson River from Federal Lock and Dam (Green Island Project, P-0013) to Fort Edward forms a portion of the Champlain Canal, a unit within the New York State Canal System. The Mohawk River, from its confluence with the Hudson just above Troy, NY to upstream of Mohawk, NY, forms a portion of the Erie Canal. Flow depth to support navigation in the Erie Canal and the Mohawk river is augmented by storage releases from Hinckley Reservoir on West Canada Creek, a tributary to the Mohawk River.

Below the Green Island Dam and hydroelectric facility (P-0013), the 154-mile length of the lower Hudson River is estuarine and influenced by tidal fluctuations, and can experience flow direction reversals four times per day. Such tidal fluctuations affect tailwater elevation and generation at the Green Island Project (see Section 2.2.4.2).

1.2 Hydrology of the Upper Hudson River Basin

Monthly precipitation averages in the Upper Hudson Basin are greatest during May through September and least during December through March. The average annual precipitation at Conklingville Dam is 46.5 in., with average monthly totals ranging from 2.9 in. for February to 4.2 in. for May. Average annual precipitation at Indian Lake is 40.8 in., with monthly totals ranging from 2.3 inches for February to 4.2 inches for September. Further downstream, in the middle portions of the Upper Hudson at Glens Falls, the average annual precipitation is 38.6 inches, with monthly totals ranging from 2.2 in. for February to 3.8 in for May.

lists the main-stem and tributary stream gages used for flow data throughout this study. Runoff and unregulated streamflow, as indicated by the monthly averages in the table and the plots in Figures 2 and 3, are more varied throughout the year than precipitation due to snowpack, evapotranspiration, and snowmelt. Winter precipitation occurs primarily as snow and does not contribute significantly to winter runoff. Snowmelt and rainfall contribute to peak runoff and streamflow in spring and early summer when emergent plant growth and moderate temperatures do not produce significant evapotranspiration losses. Runoff diminishes in summer as snowmelt declines and plant growth and evapotranspiration peaks (Figure 2).

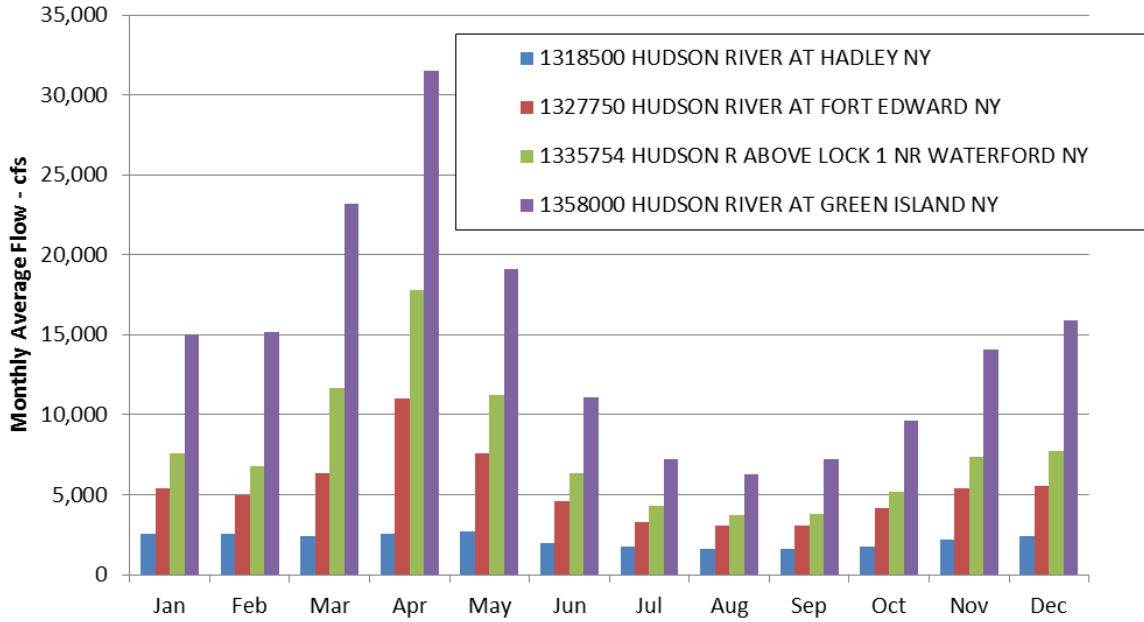


Figure 2. Monthly streamflow averages for main-stem Hudson River stream gages.

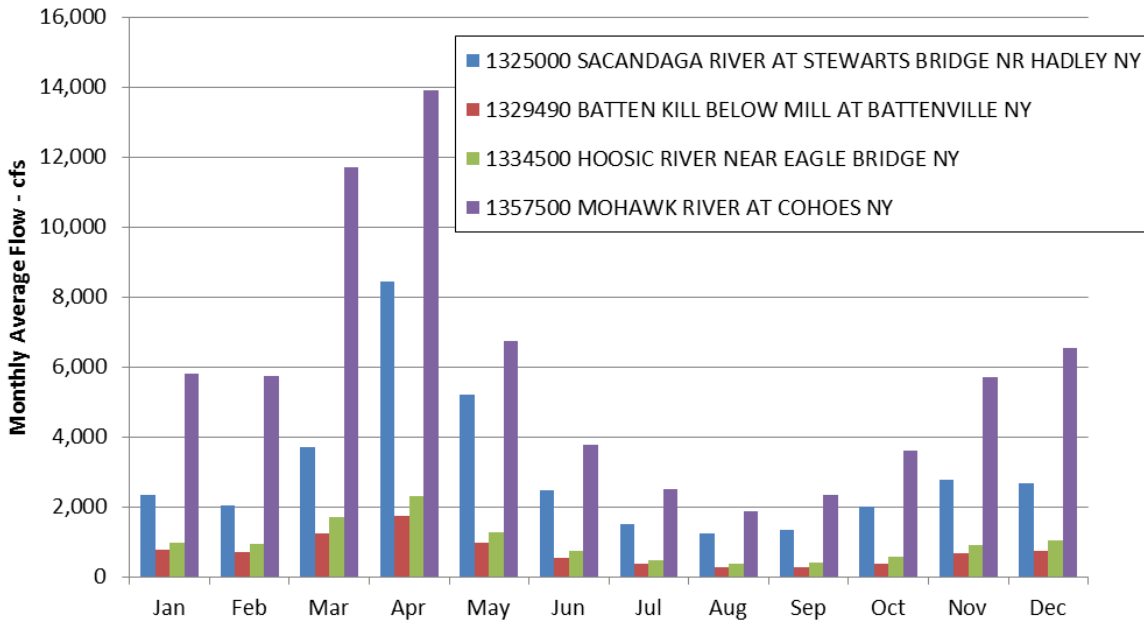


Figure 3. Monthly streamflow averages for Hudson River tributary stream gages.

Table 1. Hudson River Basin stream gages and flow statistics used in present study of headwater benefits.

| ID | Name | Drainage Area (mi ²) | Monthly Average Streamflow - cfs | | | | | | | | | | | | Average Annual Flow - cfs |
|--------------------------|---|----------------------------------|----------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|---------------------------|
| | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Main-stem Hudson River | | | | | | | | | | | | | | | |
| 1318500 | HUDSON RIVER AT HADLEY NY | 1,664 | 2,560 | 2,520 | 2,380 | 2,550 | 2,690 | 1,950 | 1,720 | 1,640 | 1,570 | 1,780 | 2,220 | 2,430 | 2,168 |
| 1327750 | HUDSON RIVER AT FORT EDWARD NY | 2,810 | 5,380 | 4,950 | 6,380 | 11,000 | 7,550 | 4,630 | 3,270 | 3,040 | 3,080 | 4,190 | 5,420 | 5,550 | 5,370 |
| 1335754 | HUDSON R ABOVE LOCK 1 NR WATERFORD NY | 4,605 | 7,550 | 6,800 | 11,700 | 17,800 | 11,200 | 6,370 | 4,310 | 3,740 | 3,800 | 5,170 | 7,350 | 7,730 | 7,793 |
| 1358000 | HUDSON RIVER AT GREEN ISLAND NY | 8,090 | 15,000 | 15,200 | 23,200 | 31,500 | 19,100 | 11,100 | 7,200 | 6,270 | 7,240 | 9,630 | 14,100 | 15,900 | 14,620 |
| Hudson River tributaries | | | | | | | | | | | | | | | |
| 1325000 | SACANDAGA RIVER AT STEWARTS BRIDGE NR HADLEY NY | 1,055 | 2,340 | 2,020 | 3,700 | 8,420 | 5,210 | 2,480 | 1,510 | 1,240 | 1,320 | 1,990 | 2,770 | 2,660 | 2,972 |
| 1329490 | BATTEN KILL BELOW MILL AT BATTENVILLE NY | 396 | 769 | 686 | 1,220 | 1,740 | 979 | 542 | 370 | 266 | 269 | 371 | 652 | 748 | 718 |
| 1334500 | HOOSIC RIVER NEAR EAGLE BRIDGE NY | 510 | 984 | 932 | 1,700 | 2,290 | 1,260 | 721 | 459 | 375 | 399 | 577 | 917 | 1,030 | 970 |
| 1357500 | MOHAWK RIVER AT COHOES NY | 3,450 | 5,800 | 5,720 | 11,700 | 13,900 | 6,720 | 3,770 | 2,490 | 1,880 | 2,320 | 3,600 | 5,700 | 6,550 | 5,846 |

1.3 Water Control and Power Production Facilities

ORNL and Commission staff consulted previous studies and databases to identify significant storage and hydroelectric facilities in the Hudson River Basin, including Commission databases, the National Inventory of Dams¹ (NID), USGS National Water Quality Assessment (NAWQA) program studies of the Hudson River, and previous headwater benefits assessment schematics.

1.3.1 Storage Reservoirs

ORNL staff identified 166 unique dams in the Hudson River Basin. Table 2 lists a subset of those dams with storage volume greater than 12,000 acre-feet that were investigated further for the potential to provide headwater benefits. The significance of daily storage changes experienced by these lakes is discussed further in Section 2.2.4.

Table 2. Reservoirs in the Hudson River Basin with Storage Greater than 12,000 acre-feet.

| Reservoir | Dam | Stream | Date of Operation | Surface Area acres | Storage Volume acre-feet |
|----------------------|-------------------------------------|-------------------|-------------------|--------------------|--------------------------|
| Great Sacandaga Lake | Conklingville (NID: NY00146) | Sacandaga River | 1930 | 24,940 | 461,000 |
| Schroon Lake | Starbuckville Dam (NID: NY00159) | Schroon River | 2006 | 4,000 | 224,000 |
| Indian Lake | Indian Lake Dam (NID: NY00155) | Indian River | 1898 | 4,365 | 170,235 |
| Saratoga Lake | Winnies Reef Dam (NID: NY00712) | Fish Creek | 1979 | 4,028 | 100,700 |
| Hinckley | Hinckley Dam | West Canada Creek | 1917 | 2,880 | 79,000 |
| Brant Lake | Brant Lake Upper Dam (NID: NY00158) | Schroon River | 1908 | 1,408 | 41,280 |
| Tomhannock | Tomhannock Dam (NID: NY00117) | Tomhannock Creek | 1905 | 1,728 | 39,511 |

Great Sacandaga Lake (GSL) is the largest storage facility in the basin and is impounded by the Conklingville Dam (NID: NY00146). It is located in Saratoga, Fulton, and Hamilton Counties, New York and entirely within the boundaries of New York's Adirondack State Park. The E.J. West hydroelectric facility (P-2318) is co-located with the Conklingville Dam and classified as a beneficiary facility herein. The GSL facility includes an earth fill embankment dam, a water conveyance channel, a concrete outlet structure consisting of two siphon spillways and three outlet valves, spillway, and the impounded lake. The Conklingville Dam, located on the northeastern arm of the lake, was built between 1928 and 1930 by the Hudson River - Black River Regulating District (DISTRICT) to provide flood protection and low flow augmentation for the Hudson River. The DISTRICT is a New York State public benefit corporation

¹ See <http://geo.usace.army.mil/pgis/f?p=397:1:1817111427058004> for information on the National Inventory of Dams

intended to protect public health and safety by regulating the flow of waters in the Upper Hudson River and the Black River in the Adirondack Region.

Schroon Lake, located on the Schroon River and impounded by Starbuckville Dam, has a surface area of approximately 4,000 acres and a storage volume of approximately 224,000 acre-feet. The dam was upgraded significantly in 2006. The Starbuckville Dam controls the water level of Schroon Lake and is owned by the Schroon Lake Park District (SLPD), a legislatively appointed board with representatives from the towns of Chester, Horicon and Schroon. The crest elevation of the spillway is 805.7 feet. The primary objective of the SLPD is to maintain an almost constant water level of 806 feet for the lake. Hence, Schroon Lake was not analyzed further herein as a potential source of storage changes that could provide significant headwater benefits.

Indian Lake, impounded by Indian Lake Stone Dam (NID: NY00155), is also owned by the State of New York and operated by the DISTRICT. It is managed for recreation and flood control. The dam was completed in 1898 and is situated on the Indian River 7.5 miles upstream from the confluence with the Hudson.

Winnies Reef Dam (NID: NY00712) is operated primarily to regulate flow for the downstream hydropower facilities, Victory Milles and Schuylerville, on Fish Creek. A 1987 agreement with the Saratoga Lake Protection and Improvement District establishes a secondary purpose to assist in management of lake elevations for Saratoga Lake. ORNL staff were not able to obtain an elevation-volume curve for Saratoga Lake, nor were they able to ascertain the extent to which Winnies Reef control structures were able to control the amount of storage in, or total releases from, Saratoga Lake apart from natural controls between the lake and Winnies Reef Dam.

Tomhannock Reservoir Dam is located on Tomhannock Creek, a tributary of the Hoosic that joins the Hoosic below Schaghticoke Dam. The National Inventory of Dams reports that the dam has a drainage area of 66 square miles, and a maximum storage of 56,000 ac-ft. However, because the reservoir is the primary water supply reservoir for the city of Troy, it is unlikely to be managed in a manner that would provide headwater benefits to Hudson River facilities.

1.3.2 Hydroelectric Facilities

ORNL and Commission staff

Table 3. Downstream Power Production Facilities with Rated Capacity Greater than 1.5 MW.

| Hydroelectric Facility | License Docket | Owner/Operator | Power/Hydraulic Capacities | Associated Water Control Facility |
|------------------------|----------------|---------------------------------|--|-------------------------------------|
| E. J. West | P-2318 | Erie Boulevard Hydropower, L.P. | 2 units @ (9.8 MW, 2400 cfs) | Conklingville Dam (NID: NY00146*) |
| Stewart's Bridge | P-2047 | Erie Boulevard Hydropower, L.P. | 1 unit 34.5 MW, 5460 cfs | Stewart's Bridge Dam (NID: NY00149) |
| Curtis | P-2609 | Curtis/Palmer Hydroelectric Co. | Units 1 and 2 @ (2.6 MW, 1585 cfs); Unit 3 is 2.5 MW, 1500 cfs; | W. Curtis Dam (NID: NY00138) |

| | | | | |
|---------------------|--------|---------------------------------|--|--|
| | | | Units 4 and 5 @ (1.1 MW, 875 cfs) | |
| Palmer Falls | P-2609 | Curtis/Palmer Hydroelectric Co. | 2 units @ (24 MW, 3750 cfs) | Palmer Falls Dam (NID: NY00145) |
| Spier Falls | P-2482 | Erie Boulevard Hydropower, L.P. | 2 units (8.5 MW, 1440 cfs) and (44 MW, 7580 cfs) | Spier Falls Dam (NID: NY00136) |
| Sherman Island | P-2482 | Erie Boulevard Hydropower, L.P. | 4 units @ (7.75 MW, 1600 cfs) | Sherman Island Dam (NID: NY00141) |
| Feeder Dam | P-2554 | Erie Boulevard Hydropower, L.P. | 5 units total to 5 MW, 5000 cfs | Feeder Dam (NID: NY00143) |
| Glens Falls | P-2385 | Finch Hydro Holdings, LLC | 5 units total to 12.2 MW, 4400 cfs | South Glens Falls Dam (NID: NY00140) |
| South Glens Falls | P-5461 | Boralex Hydro Operations, Inc. | 2 units @ (7.85 MW, 2200 cfs) | |
| Hudson Falls | P-5276 | Boralex Hydro Operations, Inc. | 2 units @ 22 MW | Hudson Falls Dam (NID: NY00144) |
| Fort Miller | P-4226 | Mercer Asset Management Corp. | 2 units total to 5 MW, 6600 cfs | Lock C-6 at Fort Miller Dam (NID: NY01073) |
| Stillwater | P-4684 | Stillwater Associates, LLC | 2 units @ (1.75 MW, 3500 cfs) | Stillwater Dam |
| Upper Mechanicville | P-2934 | New York State Electric and Gas | 2 units @ (8.7 MW, 6000 cfs) | Lock C-3 Dam (NID: NY00215) |
| Mechanicville | P-6032 | Albany Engineering Corp. | 6 units total to 4.5 MW, 5820 cfs (not all in service during study period) | Lock C-2 Dam (NID: NY00988) |
| Green Island | P-0013 | Green Island Power Authority | 4 units total to 6 MW, 9828 cfs | Troy (Federal) Lock and Dam (NID: NY00951) |

E.J. West hydroelectric facility is located at Conklingville Dam which created Great Sacandaga Lake. While the dam is owned by the State of New York and operated by DISTRICT, the E.J. West facility is owned by Brookfield Power. E.J. West facility has two 9.8 MW units with a total generating capacity of 19.6 MW at 4,800 cfs when Great Sacandaga Lake is at full pool. Great Sacandaga Lake elevation varies significantly during a year. Consequently, the generating capacity of E.J. West also varies through the year.

Stewarts Bridge Dam (NID 00149) is a 112 ft tall dam on the Sacandaga River downstream of Conklingville Dam. The facility is owned by Brookfield Power. The pond surface area is 480 acres. Because the pond elevation is maintained between 704.0 and 705.0 ft elevation, the useable storage is 480 ac-ft. Stewarts Bridge Project has a single 34.5 MW generating unit with a hydraulic capacity of 5,460 cfs. The facility is required by license to maintain a 25 cfs minimum bypass flow. The dam was completed in 1951.

The Curtis and Palmer hydroelectric facilities are located on the Hudson River near the southeastern boundary of the Adirondack Park. The Curtis and Palmer facilities consist of two separate developments, Curtis Falls and, a half mile downstream, Palmer Falls, Corinth, New York. Both are run of river facilities.

The Curtis facility consists of a 25 ft high 743 ft long concrete dam. Curtis Dam created a 5.9 mile impoundment with a surface area of 390 acres at normal elevation of 548.8 feet. The storage capacity is 585 ac ft at a drawdown of 1.5 ft. Drawdown of 1.5 ft is permitted from June 15 until March 1. From March 1 until June 15, drawdown is limited to 1 ft by the FERC license, allowing a useable storage of 390 ac ft. Draw downs are used to supplement river flow during times when the river flow is below the 1000 cfs. The total installed capacity is 10 MW at 24 ft head and 6500 cfs turbine discharge. The station loses output above 7000 cfs because the tailrace elevation rises do to topographical flow restrictions. Units 1 and 2 are Allis Chalmer S-type turbines, with flow capacities of 500 to 1585 cfs and generating capacities of 2600 kW. Unit 3 is a 1500 cfs Allis Chalmer S-type turbine with a generating capacity of 2500 kW. Units 4 and 5 are 100 to 875 cfs S. Morgan Smith Camelback turbines with generating capacities of 1100 kW.

The Palmer facility consists of a 37 ft high, 486 ft long concrete dam. The Palmer impoundment has a surface area of 28 acres at normal elevation of 522.9 feet. Usable storage capacity is negligible because the FERC license requires a constant pond level. The total installed capacity is 48 MW at rated 85 feet of head and 7500 cfs. Units 1 and 2 are Toshiba Vertical Kaplan turbines with flow capacities of 1000 to 3750 cfs, and a rated generating capacity of 24 MW. International Paper is permitted to withdraw up to 75 cfs from the Palmer impoundment for process water.

The Spier Falls and Sherman Island facilities are licensed as a single project. The two dams are about four river miles apart. Spier Falls is upstream of Sherman Island Dam, and has the larger reservoir. These facilities are owned by Brookfield Renewable Power. Spier Falls Project is located west of West Glens Falls, New York and has two units. Unit 8 has an 8.5 MW generating capacity at 1,440 cfs. Unit 9 has a 44 MW generating capacity at 7,560 cfs. The total plant generating capacity is 52.5 MW at 9,000 cfs. Spier Falls Dam creates a 638-ac pond. It has useable storage of approximately 630 ac-ft during walleye spawning season (approximately March 15 through June 15). For the remainder of the year, it has about 1260 ac-ft of useable storage. The facility is required to discharge a minimum bypass flow of 25 cfs year round through the trash sluice for fish passage. Spier Falls Dam was completed in 1903.

The Sherman Island facility is located in West Glens Falls, New York, upstream of Feeder Dam and downstream of Spier Falls Dam. During the study period, it had four operational units. Each unit had a generating capacity of 7,750 kW and 1,600 cfs, for a total generating capacity of 31 MW at 6,400 cfs. Sherman Island Dam creates a 305 ac pond. It has a useable storage capacity of approximately 300 ac-ft during walleye spawning season (approximately March 15 through June 15). For the remainder of the year, it has a useable storage capacity of about 600 ac-ft. During walleye spawning season, the dam is required to release a minimum of 675 cfs of bypass flow. For the remainder of the year, the bypass flow must be at least 250 cfs. Sherman Island Dam was completed 1923.

The Feeder Dam is owned by the NYS Canal Corporation. The Feeder Dam Project (P-2554) hydroelectric facilities are managed by Brookfield Renewable Power Inc. The dam is 36 ft high. The facility has five units with a total generating capacity of 5 MW at 5,000 cfs. The impoundment is 717 acres. The pond elevation is allowed to vary within a 1-ft range during walleye spawning season (approximately March 15 through June 15) and may vary within a 2-ft range during the remainder of the year. The dam has about 700 ac-ft of useable storage during walleye spawning season. The dam has about 1,400 ac-ft of useable storage the remainder of the year. The dam is required to release a minimum bypass flow of 25 cfs. In addition, the facility is required to meet a minimum instantaneous discharge of 1,500 cfs, with a minimum daily average discharge of 1,760 cfs. The Feeder Dam was completed in 1913.

South Glens Falls Dam (NID00140) is owned by Finch Hydro Holdings, LLC. The water regulated by the dam is shared equally by South Glens Falls facility (P-5461) and Glens Falls facility (P-2385), discussed below. South Glens Falls Dam was completed in 1923. The dam created a reservoir with a storage capacity of 1,083 ac-ft. These facilities operate in a run-of-river mode. The license requires that the dam maintain the water level between 269.0 and 269.6 ft. The pool has a surface area of 167 acres, and the usable storage within license limits is less than 100 ac-ft. The dam discharges a minimum bypass flow of 25 cfs at all times. The South Glens Falls facility is located on the south side of the dam. South Glens Falls Limited Partnership and National Grid are co-licensees of the South Glens Falls facility. It is operated by Boralex Hydro Operations Inc. The South Glens Falls Project has two 7.85 MW units for a total capacity of 15.7 MW at approximately 4,400 cfs turbine discharge rate.

The Glens Falls hydroelectric facility is located on the north side of South Glens Falls Dam. It is owned by Brookfield Renewable Power Inc. The facility consists of five units with a total capacity of 12.2 MW at 4,400 cfs.

Hudson Falls Dam is located 2.5 miles upstream of the Ft. Edward gauge station, and about 3.5 miles upstream of the point at which the Champlain Canal and the Hudson River diverge. Hudson Falls is owned and operated by Boralex Hydro Operations Inc. Hudson Falls generating equipment includes two 22.0-MW units, for a total capacity of 44 MW. Boralex reports a reservoir storage capacity of 410 ac-ft. The NID (2009) reports a storage capacity of 480 ac-ft. The NID lists the surface area of the pool as 220 acres. Boralex reports that the historical operating range of the reservoir is 206.5 to 206.9 ft. Hudson Falls Dam was completed in 1914.

The Fort Miller facility is located near Lock C-6 at Fort Miller Dam in the town of Northumberland. The dam is owned by Fort Miller Pulp & Paper Company (NID 2009), but managed by Mercer Asset Management Corp (Mercer). The dam was built in 1985. Fort Miller Dam (NY01073) is located about 2.2 miles downstream of Thompson Island Dam (NY01074). Thompson Island Dam supports operation of Lock C-6 by maintaining the water level at the upper end of the 2.5-mi-long canal that connects to the upper end of Lock C-6. By impounding the water that passes over Thompson Island Dam, the Ft. Miller Dam allows generation of electricity from the main flow of the Hudson. The plant consists of two double regulated horizontal Kaplan turbines. The two units are rated to produce 5 MW (total) at 6,600 cfs. The NID (2009) reports that the normal storage is 1,150 ac-ft and the normal pool surface area is

230 ac. However, because the dam operates as a run-of-river facility, the storage is not normally used. The normal pool elevation is 117 ft.

The Stillwater Project is located at the Lock C-4 dam (NID00162) at Stillwater, New York. The dam is owned by the New York State Canal Corporation. The dam was completed 1955. The hydropower facilities are owned by Stillwater Associates, LLC. The Stillwater Project is located on the northwest side of the dam. The dam is located approximately two miles upstream of Lock C 3 Dam, and the Upper Mechanicville Project. The facility has two units each with a capacity of 1.75 MW at 3,500 cfs for a plant capacity of 3.5 MW at 7,000 cfs. The FERC license requires that the plant maintain a minimum bypass flow of 500 cfs. The owners do not collect or maintain flow data at the plant. Operators estimate flow rates once each day.

The Upper Mechanicville Hydroelectric Redevelopment Project (P-2934) is owned and operated by NYSEG. The power plant is located on the west bank of the Hudson River at the dam at Champlain Barge Canal Lock C-3 just north of Mechanicville, New York. Originally constructed circa 1882 by the Hudson River Water Power and Paper Company, title went to the West Virginia Pulp and Paper Company, and was transferred to the State of New York in 1922. The FERC issued a license in 1981 and construction of the new powerhouse was completed in 1983. The license requires that the pond elevation be "72.6 MSL as a maximum outside of minor variations allowed because of instrumentation and equipment response times." The normal pool surface area is 260 acres. The tailwater elevation is normally 49.3 ft. The minimum tailwater elevation is 47.0 ft. The maximum tailwater elevation is 73.4 ft. The two turbine units each have a rated capacity of 8,700 kW with a rated flow capacity of 6,000 cfs. Total installed capacity of the station is 17,400 kW at a rated flow of 12,000 cfs. However, NYSEG estimates that the actual performance of the station is 19.98 MW at 12,620 cfs. The license requires that the plant maintain a minimum discharge of 1000 cfs, including turbine discharge and bypass flow. The owners of this facility have no measured flow data for river at their site.

The Mechanicville Project is located at the Lock C-2 dam of the Champlain Canal system at Mechanicville, NY. It is a run of river generating facility. The crest elevation is fixed at 46.42 ft. The dam impounds about 1,375 ac-ft, but does not vary the pool to utilize storage. The license requires a minimum spill of 500 cfs. Water used by lock operations bypass the generators from May 1 through November 30. Albany Engineering Corporation acquired the Mechanicville Project in July 2003 from Niagara Mohawk Power Corporation (now National Grid). Albany Engineering performed structural rehabilitation work prior to returning generating units to operation. The restored plant began generating electricity in November 2003. Consistent production and production records were not achieved until May 2004. Albany has provided ORNL daily generation data for May 1, 2004 through December 2008. The facility has six turbines, each of 750-kW capacity, for a total capacity of 4,500 kW. However, the operational capacity did not reach that level during the study period. During the study period, the plant was in the process of being refurbished. It produced its first power in November 2003 with one operating unit. Additional units were brought on line during the study until a maximum of five units were operational. One of the units, Unit 5, was operated with only two of four runners (turbines) during the study period. The total hydraulic capacity of the six units is 5,820 cfs at 17.5 ft of head. The dam was completed in 1899. The power plant is listed on the National Register of Historic Places

because it retains much of the original equipment in use. The listing imposes certain constraints on modifications or upgrades to the plant. The old technology gives the operators less control of the generation than newer plants. Essentially, each unit is either on or off with no control of flow through turbines.

The Green Island Project is located at Federal Lock and Dam at Troy, NY (NY00951; The NID lists its name as Troy Lock and Dam #1). It is located about 0.7 mi below the Mohawk confluence with the Hudson. Normal pool elevation is 16.33 feet. The tailwater is tidal with a normal elevation variation of -2 to +5 ft. Green Island has four generating units for a total capacity of 6,000 kW. The plant hydraulic capacity is 1,638 cfs per unit, 9,828 cfs total, at 13 feet head. Albany Engineering is listed in FERC records as the owner. The NID reports that the dam was built in 1903.

2 DETERMINATION OF ENERGY GAINS

2.1 General Process for Energy Gains Computation

Headwater benefits assessments are derived from energy gains attributable to regulation by headwater facilities, with the valuation of those gains determined from analyses of Section 10(f) costs of the headwater facility. Section 10(f) costs are defined as the annual interest, depreciation, and maintenance portion of the joint-use facilities costs of the headwater project allocated to the power function, and are apportioned among the headwater facility and downstream beneficiaries based on the amount of energy gains received from the benefitting headwater facilities.

Regulation in this context refers to the capability of the headwater facility to alter the natural variation of streamflow by storing water in the reservoir when inflows exceed outflows, and augmenting downstream flows with that stored water when natural inflow is not adequate for intended uses downstream. Depending on the hydrology, physiography, stream network, and water uses in a river basin, regulation occurs over time horizons ranging from years (inter-annual storage) to hours. These water uses, including flood control, flows for ecological needs, water supply, navigation, recreation, and power production, occur in the reservoir and downstream of a headwater facility. They are the primary determinants of the time horizon of regulation.

Regulation affects energy production at downstream facilities by attenuating inflow extremes at downstream facilities—reducing peak inflows and augmenting extremely low inflows. When this attenuation increases the occurrence of flows that can be passed entirely through turbines and decreases the occurrences of spill operations, energy gains are said to be provided by the upstream headwater facility. Energy gains are also provided when the regulation of the headwater facility decreases the occurrence of inflows that are too low to enable operation of turbines. It is also possible, although less frequent, that upstream regulation may produce energy losses (negative energy gains) by increasing the frequency of flows that exceed downstream turbine capacity or by increasing the frequency of flows that are too low to enable downstream turbine operations.

The Commission's procedure for energy gains determination is specified in 18CFR11.13, which requires the use of the Headwater Benefits Energy Gains (HWBEG) model (Perlack et al., 1984). The HWBEG model inherently assumes that energy gains are computed based on daily accounting of inflow, storage, and outflows for headwater and downstream facilities. This assumption is a result of several historical and pragmatic constraints on the resolution of modeling that arise from limited data availability, complexity of hydraulic modeling, and lack of clarity in individual and river system water management policies at sub-daily time steps. For most river systems, daily accounting of flows and energy has been adequate to resolve energy gains provided by headwater facilities.

Hourly interactions among water control facilities in a river system can have impacts on operations and production costs. However, it is not clear that such interactions significantly affect the magnitude of long-term aggregate energy gains provided by headwater facilities (distinct from flow fluctuations arising from upstream run-of-river or within-day pond storage facilities). It is also unclear as to whether

the expense of developing and validating an hourly model of water management and energy production can be supported by the change in the headwater benefits assessment charges that could result were an hourly model used for assessments. While the issue of modeling complexity is no longer a barrier, the lack of availability of hourly pool elevation, inflow, outflow, and energy production data precludes the development of calibrated hourly model of energy gains in most basins. Decision support models do exist that can resolve hourly flows and hydroelectric energy production for entire river systems, but the enormous data assimilation and development effort of such models is justified by substantial increases in total river system energy production and revenue that result from implementation of the optimized multi-project schedules that such models provide. In river basins with multiple facility owners and operators, individual and systemic operating rules necessary to resolve hourly energy gains are seldom publically documented well enough to support retroactive analyses of hourly operations.

2.2 The Hudson River Schematization

There are multiple water control and hydroelectric facilities in the Hudson River Basin. This section presents the schematization used to model the water balance throughout the basin and the modeling of energy production (generation) and energy gains.

2.2.1 Scope of the Energy Gains Assessment

Through analysis of storage and flow data, ORNL and Commission staff determined that energy gains provision and benefit analyses involve only the Great Sacandaga Lake, E. J. West, Stewart's Bridge, Curtis, Palmer, Sherman Island, Feeder, Glens Falls, South Glens Falls, Hudson Falls, Fort Miller, Stillwater, Upper Mechanicville, Mechanicville, and Green Island Projects. No other upstream facilities provide significant streamflow regulation within the main-stem Hudson River, except as noted below. In response to specific concerns by interested parties, the following scoping assessments are highlighted for other facilities within the Hudson River Basin:

- Hoosic River Project (P-2616, Johnsonville and Schaghticoke Developments). The 2002 settlement agreement (FERC eLibrary 20020823-0458) governing the operation of these developments limits normal pool fluctuations to 0.5 feet. The Johnsonville facility is further limited to 0.25 feet of fluctuation between June 1 and September 30. Assuming that such fluctuations occur over one day (86,400 seconds) and considering that these developments have normal pool surface areas of 450 acres and 150 acres (FERC eLibrary 19961029-0195), respectively, the 0.5-foot constraint equates to daily storage changes of 113 cfs and 38 cfs, respectively, for the Johnsonville and Schaghticoke developments. The Hoosic joins the Hudson upstream of the Upper Mechanicville facility. The Mechanicville facility exhibits outflows for the 2003-2008 study period ranging from 1,700 cfs to over 40,000 cfs. The estimated storage changes for Johnsonville and Schaghticoke should also be compared to those computed for GSL, which range from -5,000 cfs to over 35,000 cfs. Based on the relative insignificance of the Johnsonville and Schaghticoke potential storage changes, ORNL and Commission staff omitted the Johnsonville and Schaghticoke developments from the scope of the energy gains assessment.
- Mohawk River Projects. The Mohawk River joins the Hudson upstream of the Green Island Project. There are multiple hydroelectric facilities on the Mohawk River. ORNL and Commission staff

examined maps and limited facility configuration information to determine that none of the hydroelectric facilities on the Mohawk River have the potential to provide significant storage changes that would affect energy gains for the Green Island Project. However, Hinckley Reservoir, operated under several navigation and hydropower flow provision agreements by the New York State Canal System, may be providing significant flow regulation and storage changes that could produce energy gains at Green Island. ORNL staff obtained 2011 pool elevation data and a surface area estimate of 4.5 square miles from the New York State Canal System² to produce an estimate of daily storage changes at Hinckley Reservoir (Figure 4). While not as large as those from GSL, these storage changes may be significant for the Green Island Project. However, resolving the propagation of these storage changes throughout the New York State Canal System, including the Mohawk River and Erie Canal, is beyond the scope of the present study. In particular, resolving the propagation of these storage changes throughout the system may require detailed hourly hydraulic routing models to resolve flow-varying travel times of relatively large flows through the relatively narrow reaches of West Canada Creek and the upper Mohawk River. Such an effort is not trivial and is likely to be as significant as, or greater than, that already accomplished to resolve storage change propagation through the Sacandaga and main-stem Hudson Rivers to the Mohawk confluence. An effort of such magnitude is not justified by the value of the headwater benefits changes that it would produce.

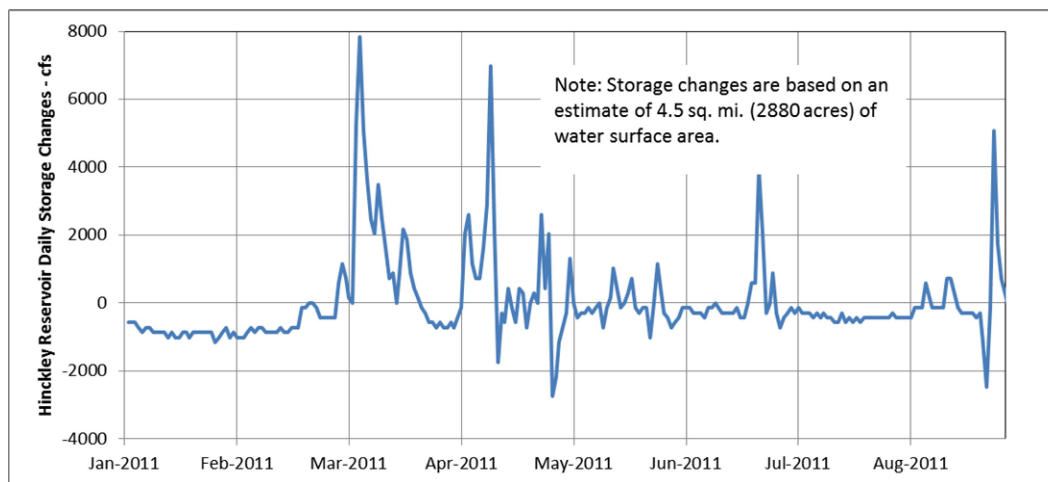


Figure 4. Estimated 2011 storage changes for Hinckley Reservoir.

2.2.2 Data Sources for the Sacandaga and Hudson River Projects

Daily energy production and water management data submitted by facility operators for 2003 through 2008 (Table 4) were used to model energy as a function of daily flow values derived from USGS stream gage flow times series data. This was the case for the E. J. West, E. J. West, Stewart's Bridge, Curtis, Palmer, Sherman Island, Feeder, South Glens Falls, Hudson Falls, Stillwater, Upper Mechanicville, Mechanicville, and Green Island facilities. Monthly energy production totals for Fort Miller were obtained from EIA data.

² See <http://www.canals.ny.gov/waterlevels/hinckley/index.html>

Table 4. Summary of Data Provided by Facility Owners and Operators

| Project | River | Elevation-Storage Curve | Daily Pond Elevation | Daily Inflow Data | Daily Release Data | Daily Generation |
|----------------------|-----------|-------------------------|----------------------|-------------------|--------------------|----------------------------------|
| Indian Lake | Indian | No | Yes | No | No | Non-powered |
| Great Sacandaga Lake | Sacandaga | Yes | Yes | Yes | No | Non-powered |
| E.J. West | Sacandaga | No | | | 2003-2008 | |
| Stewart's Bridge | Sacandaga | No | 2004-2009 | No | Partial | 2003-2008 |
| Curtis | Hudson | No | 2002-2009 | Yes h | Yes | Yes |
| Palmer | Hudson | No | 2002-2009 | Yes h | Yes | Yes |
| Spier Falls | Hudson | No | 2004-2009 | No | Partial | 2003-2008 |
| Sherman I. | Hudson | No | 2004-2009 | No | Partial | 2003-2008 |
| Feeder Dam | Hudson | No | 2004-2009 | No | Partial | 2003-2008 |
| Glens Falls | Hudson | No | No | No | Yes | No |
| South Glens Falls | Hudson | No | No | No | | Yes |
| Hudson Falls | Hudson | No | No | No | Yes | Yes |
| Fort Miller | Hudson | No | No | No | No | ORNL obtained EIA monthly totals |
| Stillwater | Hudson | No | Yes | Estimates | Estimates | Yes |
| Upper Mechanicville | Hudson | No | No | No | Hourly | Hourly |
| Mechanicville | Hudson | No | No | No | No | May 2004 - 2008 |
| Green Island | Hudson | No | No | No | No | Yes |

2.2.3 Water Balance for the Hudson River Projects

The Hudson River Basin includes multiple facilities and locations at which water flow is measured or estimated and reported. ORNL staff determined that individual facility water flow time series were not, in general, reconcilable to each other or with USGS stream gage data. Lateral inflow from adjacent lands, inflows from tributaries, and withdrawals and returns all combine to create significant differences between the outflow of an upstream facility and the measured or estimated inflow to a downstream facility. Such lack of agreement is typical in complex river systems, and requires systematic treatment when inter-project statistics and computations such as energy gains are at issue. Often these inflows are of similar magnitude to the uncertainties in streamflow measurement arising from stream gage inaccuracies or approximate flow estimates based on reported generation and turbine performance characteristics. Uncertainties also exist in daily storage changes estimated from uncertain pool elevation measurements.

ORNL analysts developed a RiverWare³ water balance model (Figure 5) of the Hudson River Basin to establish a consistent set of flow time series throughout the Hudson and tributary reaches from Great Sacandaga Lake through the Green Island Project. The RiverWare model was used only to establish consistent flows throughout the Basin using water balance equations and data available at USGS stream gages. RiverWare is capable of computing generation based on flow and gross head data, or outflow when generation data and detailed turbine configuration data are available, but this capability was not used herein for energy or energy gains computations. Such generation computations are, according to 18CFR11.13, a necessary part of the HWBEG modeling process (see Section 2.2.4). The principal advantages of the RiverWare model are the transparency⁴ it provides, and the ability to quickly assess the outcome of different inflow, outflow, and connectivity assumptions throughout the basin. The model takes the following data as input:

- USGS stream gage flows for 01318500 (Hadley), 01325000 (Sacandaga River), 01327750 (Fort Edward), 01329490 (Batenkill), 01334500 (Hoosic), 01335754 (Lock 1 Waterford), 01357500 (Mohawk River), and 01358000 (Green Island);
- reported pool elevations for GSL, Stewart's Bridge, Curtis, Palmer, Spier Falls, Sherman Island, and Feeder Dam;
- reported elevation versus volume table for GSL; and

³ The RiverWare software is not unique in its ability to propagate known river flow time series throughout a river basin based on mass balance equations and a specified network diagram. Other software tools (e.g. HEC-ResSim) are also available to perform this function. It is important to note, however, that the HWBEG model does not perform mass balance computations—the HWBEG model only tabulates upstream accumulations of lagged storage changes based on a set of specified flow time series and headwater project priorities.

⁴ The RiverWare implementation of the Hudson River daily water balance model may be inspected by obtaining (at no cost) and installing the RiverWare Viewer, available at <http://cadswes.colorado.edu/riverware/viewer/>. The RiverWare configuration files that define the Hudson River model are included as an electronic appendix to this report.

- data-derived elevation versus volume tables for Stewart's Bridge, Curtis, Palmer, Spier Falls, Sherman Island, and Feeder Dam (derived plotting reported pool elevations against computed volumes)

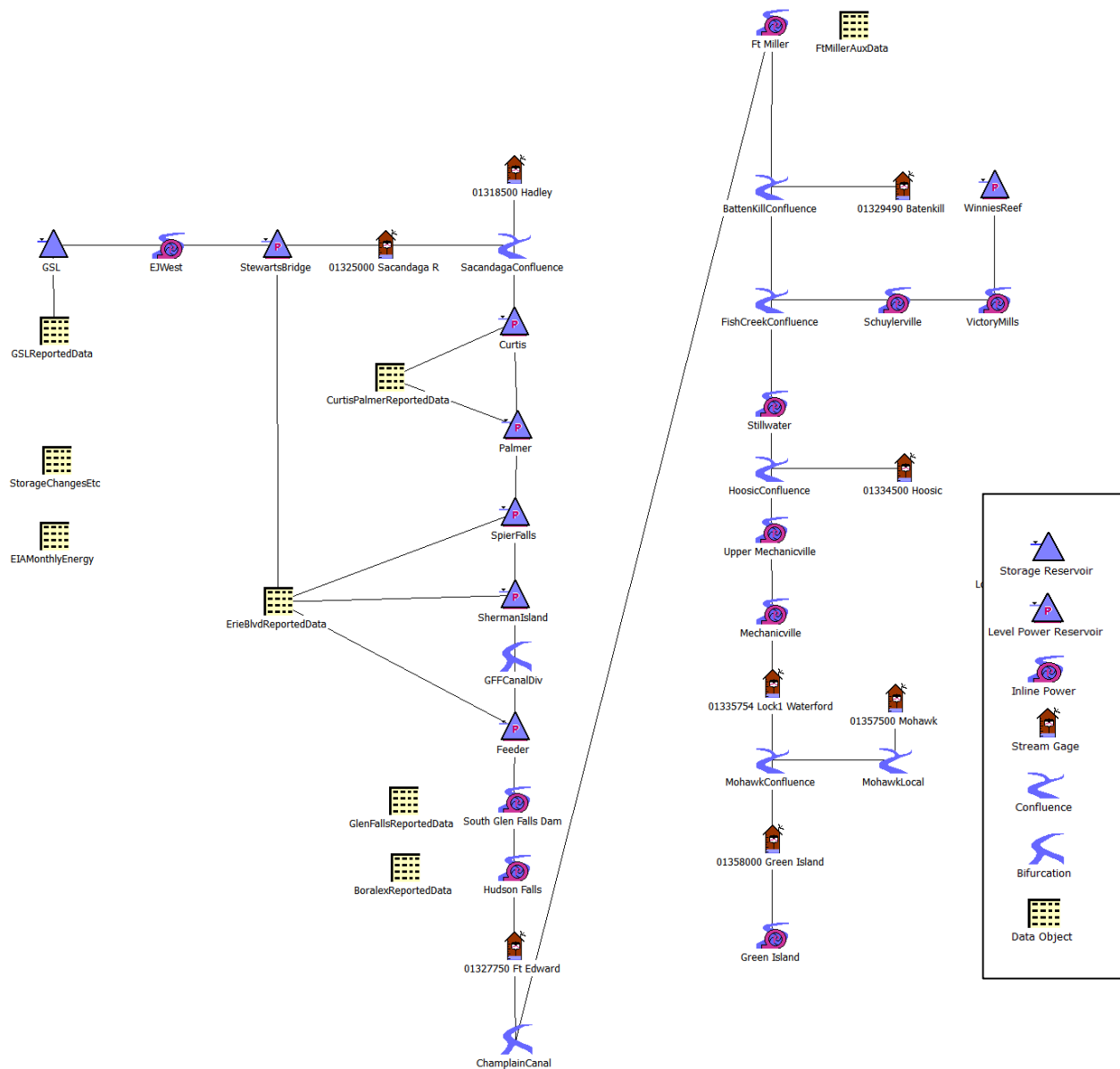


Figure 5. The RiverWare water balance model of the Sacandaga and Hudson Rivers.

The outputs of the RiverWare water balance model are daily outflows for GSL, Stewart's Bridge, Curtis, Palmer, Spier Falls, Sherman Island, Feeder, combined Glens Falls/South Glens Falls, Hudson Falls, Fort Miller, Stillwater, Upper Mechanicville, Mechanicville, and Green Island facilities. The model also computes and outputs daily storage changes for GSL, Stewart's Bridge, Curtis, Palmer, Spier Falls, Sherman Island, and Feeder, although only the GSL storage changes are significant and used as input to the HWBEG model. These outputs are aligned with the owner-reported daily generation data and supplied as input to the HWBEG model as the "Master.dat" data file (see Section 2.2.4).

The water balance model solves a set of linked mass (or volume) balance equations that represent water flow and storage through the represented network. Storage facilities are represented by the basic equation $\Delta S = (I - Q)\Delta t$, in which ΔS is the change in storage, I is the total inflow to the facility, Q is total outflow from the facility, and Δt is the time step (daily for HWBEG-modeled systems). The change in storage is typically specified or computed using pool elevation records and a volume versus elevation curve for the reservoir. In the strictest sense, run-of-river facilities have no ability to store water, hence the mass balance equation for these facilities is simply $I = Q$. The water balance model code (RiverWare) performs the simple but tedious computations that transfer known information upstream and downstream between nodes (typically stream gages, reservoirs, run-of-river facilities, or confluences) to provide the information required to solve for unknown quantities at each node. For example, a flow time series from a downstream gage is propagated upstream to a storage facility where the pool elevations are known. The code then solves the mass balance equation for the storage facility to determine the inflow time series that is consistent with the flows downstream and reported changes in pool elevation.

The upstream and downstream propagation of streamflow information from stream gages to facility releases provides internally consistent basin flow time series for input to the HWBEG model. This eliminates facility-to-facility differences in flow measurement techniques and the resulting occurrences of negative local inflows that are a typical result of flow measurement uncertainties. While the absolute value of the RiverWare model output may appear biased relative to a locally measured flow time series (or vice-versa) for a specific facility, such bias is not present in the energy gains results. This is because the RiverWare flow time series is used in preparing a facility rating curve, in computing generation with and without upstream storage, and in computing energy gains. Thus any bias in the RiverWare model flow time series, relative to locally measured flow time series, affects the generation totals with and without upstream storage changes. The upstream storage changes are also computed based on the propagation of stream gage flows through the basin and are also consistent with the RiverWare flow time series.

Several important assumptions are embedded in the network schematic and configuration of the RiverWare water balance model of the Hudson (Figure 5):

1. Storage and run-of-river classification—GSL, Stewart’s Bridge, Curtis, Palmer, Spier Falls, Sherman Island, and Feeder are treated as storage facilities with fluctuating pools, while E. J. West, Glens Falls/South Glens Falls, Hudson Falls, Fort Miller, Stillwater, Upper Mechanicville, Mechanicville, and Green Island are treated as run-of-river facilities. This classification of “Storage or Run-of-River” is not the same as the “RESPLT or RORPLT” classification in the HWBEG model (see Section 2.2.4.1 and Perlack et al, 1984).

The basis for classification of GSL as a storage facility is obvious, as it provides significant inter-seasonal regulation for the entire Hudson River downstream (Figure 6). The classification of the other aforementioned facilities as “storage” was done because the availability of pool elevation data enabled ORNL staff to examine the influence of their pool fluctuations on flows downstream relative to that of GSL. Examination of Figure 7 shows that storage changes for

facilities other than GSL are very small in comparison. Hence, these facilities were represented in the HWBEG model as run-of-river facilities. However, the outflow time series for Stewart's Bridge, Curtis, Palmer, Spier Falls, Sherman Island, and Feeder provided to the HWBEG model for energy gains computation do include the influence of their respective and upstream pool elevation fluctuations. The outflow time series for E. J. West, Glens Falls/South Glens Falls, Hudson Falls, Fort Miller, Stillwater, Upper Mechanicville, Mechanicville, and Green Island do not include any influence from their respective pool elevation fluctuations (with the exception of Stillwater, data were not provided to enable such computations). The outflow time series for E. J. West, Glens Falls/South Glens Falls, Hudson Falls, Fort Miller, Stillwater, Upper Mechanicville, Mechanicville, and Green Island do include the influence of pool elevation fluctuations at GSL, Stewart's Bridge, Curtis, Palmer, Spier Falls, Sherman Island, and Feeder.

2. Treatment of discrete withdrawal, discrete return, tributary, and lateral inflows. Inflows to the main-stem Hudson River upstream of Curtis are completely determined by reported flow time series from stream gages 01318500 (Hadley) and 01325000 (Sacandaga River). No water is added or removed from the river between these gages and Sherman Island. Any difference in daily water flow between the Hudson-Sacandaga confluence and stream gage 01327750 (Fort Edward) is attributed to diversion or return of water through the Glens Falls Feeder Canal upstream of Feeder Dam. Similarly, any difference in daily water flow between stream gage 01327750 (Fort Edward) and stream gage 01335754 (Lock 1 Waterford) is attributed to diversion to the Champlain Canal upstream of Fort Miller. In the absence of reported data, flow from Fish Creek into the Hudson upstream of Stillwater is fixed at a constant 100 cubic feet per second. Finally, flow imbalance between stream gages 01335754 (Lock 1 Waterford), 01358000 (Green Island), and 01357500 (Mohawk River) is attributed to unidentified inflows to or withdrawals from the Mohawk River between stream gage 01357500 and the Hudson-Mohawk confluence.
3. Inter-nodal (Inter-Project) travel times. The daily time step of the RiverWare and HWBEG models requires that travel times between nodes be specified in whole numbers of days. Distances and average widths between facilities were estimated from examination of the imagery in Google Earth, and average depths were estimated from New York State Canal navigation depth information to compute average cross-section areas for the reaches between facilities. Average annual flows for each reach were computed from the RiverWare model (Section 2.2.3). These estimated geometries were used to compute inter-facility travel times, from which accumulated travel times from GSL to each facility were computed. These statistics and estimates are listed in Table 5. These lag times are included in the HWBEG input files listed in the Appendix.

Table 5. Estimation of HWBEG Lag Times for Downstream Facilities.

| Facility | River | River Mile | Distance from GSL | Width | Depth | Flow | Velocity | Inter-project travel time | Accumulated Travel Time | HWBEG Lag |
|---------------------|-----------|------------|-------------------|-------|-------|------|-----------------|---------------------------|-------------------------|-----------|
| | | miles | miles | feet | feet | cfs | feet per second | hours | days | days |
| E.J. West | Sacandaga | 6 | 0 | 350 | 7 | 2493 | 1.02 | 0.00 | 0.0 | 0 |
| Stewarts Bridge | Sacandaga | 3 | 3 | 350 | 7 | 2493 | 1.02 | 4.32 | 0.2 | 0 |
| Curtis Station | Hudson | 218 | 6 | 400 | 7 | 5889 | 2.10 | 2.09 | 0.3 | 0 |
| Palmer Falls | Hudson | 218 | 6 | 400 | 7 | 5889 | 2.10 | 0.00 | 0.3 | 0 |
| Spier Falls | Hudson | 213 | 11 | 400 | 7 | 5889 | 2.10 | 3.49 | 0.4 | 0 |
| Sherman Island | Hudson | 209 | 15 | 400 | 7 | 5889 | 2.10 | 2.79 | 0.5 | 0 |
| Feeder Dam | Hudson | 202 | 22 | 450 | 10 | 6182 | 1.37 | 7.47 | 0.8 | 1 |
| Glen Falls | Hudson | 200 | 24 | 450 | 10 | 6182 | 1.37 | 2.14 | 0.9 | 1 |
| South Glen Falls | Hudson | 200 | 24 | 450 | 10 | 6182 | 1.37 | 0.00 | 0.9 | 1 |
| Hudson Falls | Hudson | 198 | 26 | 500 | 10 | 6182 | 1.24 | 2.37 | 1.0 | 1 |
| Fort Miller | Hudson | 187 | 37 | 550 | 10 | 6182 | 1.12 | 14.35 | 1.6 | 2 |
| Stillwater Hydro | Hudson | 168 | 56 | 550 | 10 | 9693 | 1.76 | 15.81 | 2.3 | 2 |
| Mechanicville Upper | Hudson | 166 | 58 | 750 | 10 | 9693 | 1.29 | 2.27 | 2.4 | 2 |
| Mechanicville Lower | Hudson | 164 | 60 | 750 | 10 | 9693 | 1.29 | 2.27 | 2.5 | 2 |
| Green Island | Hudson | 154 | 70 | 750 | 10 | 9693 | 1.29 | 11.35 | 2.9 | 3 |

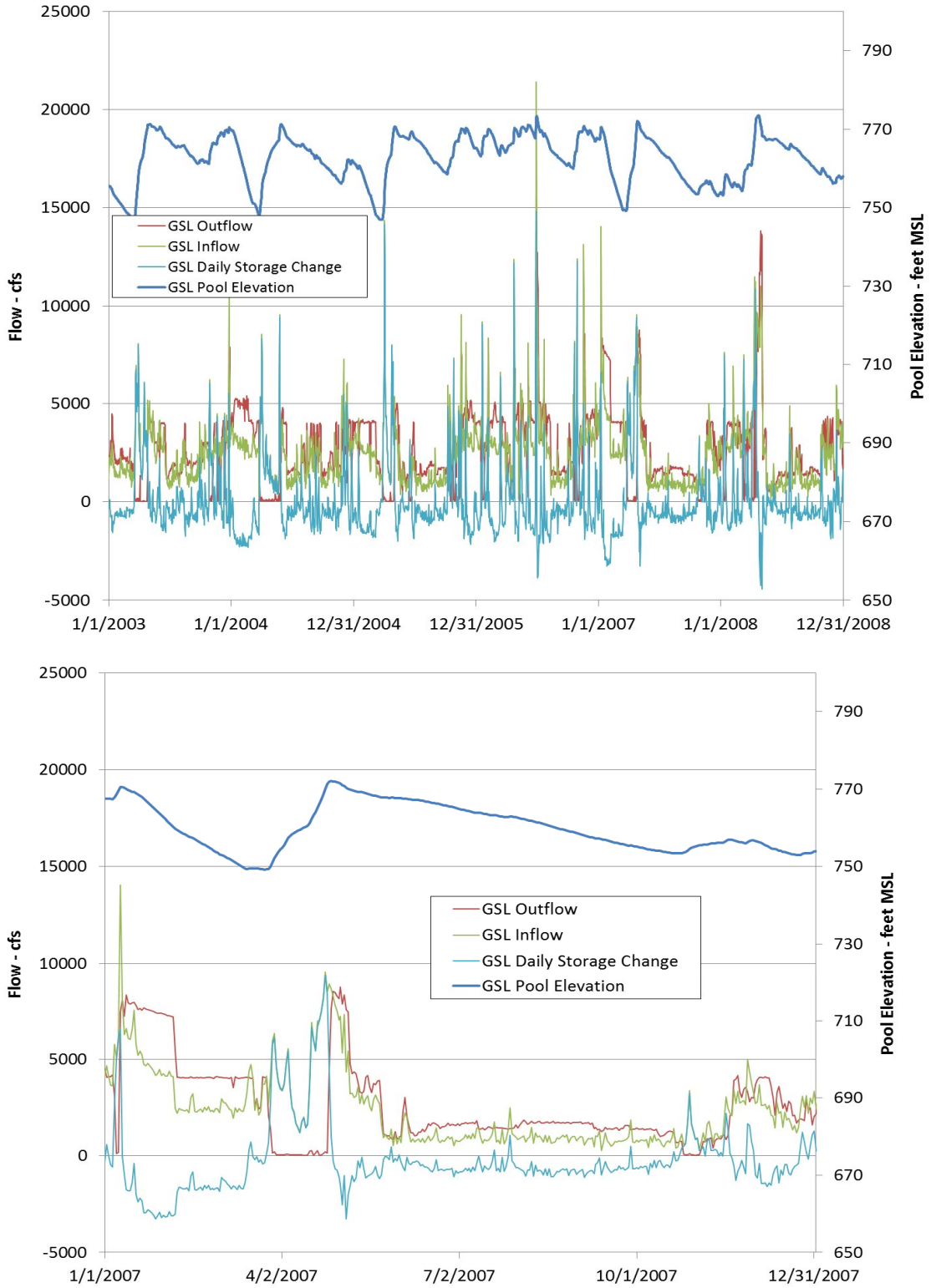


Figure 6. Time series of GSL daily pool elevation, inflow, outflow and storage changes for 2003-2008 (upper) and expanded for 2007 (lower).

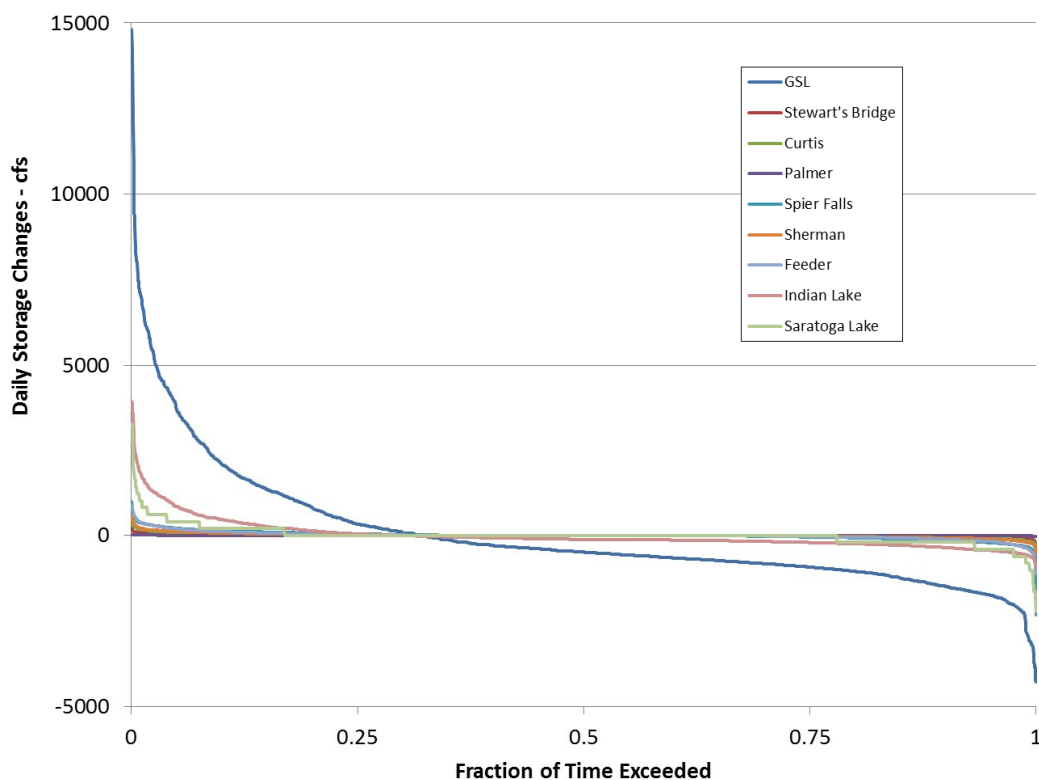


Figure 7. Significance of 2003-2008 GSL, Indian Lake, and Saratoga Lake daily storage changes relative to those of downstream pools on the Hudson River.

2.2.4 HWBEG Configuration for the Hudson River Projects

2.2.4.1 HWBEG Schematic and Input Configuration

The Hudson River Basin is schematized for the HWBEG model as shown in Figure 8. As discussed in Section 2.2.1, GSL is the only facility within the Basin providing significant storage and daily storage changes. Hence GSL is the only 'RESVOR' entry in the HWBEG configuration files for the Hudson River facilities. Projects downstream of GSL are modeled as run-of-river facilities and appear as 'RORPLT' entries in the configuration files. Energy gains computation for the basin requires 15 configuration files and HWBEG runs—one for each downstream facility from E. J. West to Green Island. The corresponding Master.dat data file is common to each HWBEG run and contains 32 columns of daily data—a date column, 15 pairs of (flow, generation) columns for each downstream facility, and one column of storage change for GSL. The daily flow and storage change data are computed and inserted into the Master.dat file from the RiverWare model output. The reported daily generation data are aligned by date with the RiverWare output and included in the Master.dat file.

HWBEG Input File (Hudson Falls example):

```

'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
11
'HUDSONFALLS' 'GENERAL' 20
..
(Followed by 20 date blocks and rating curves)
    
```

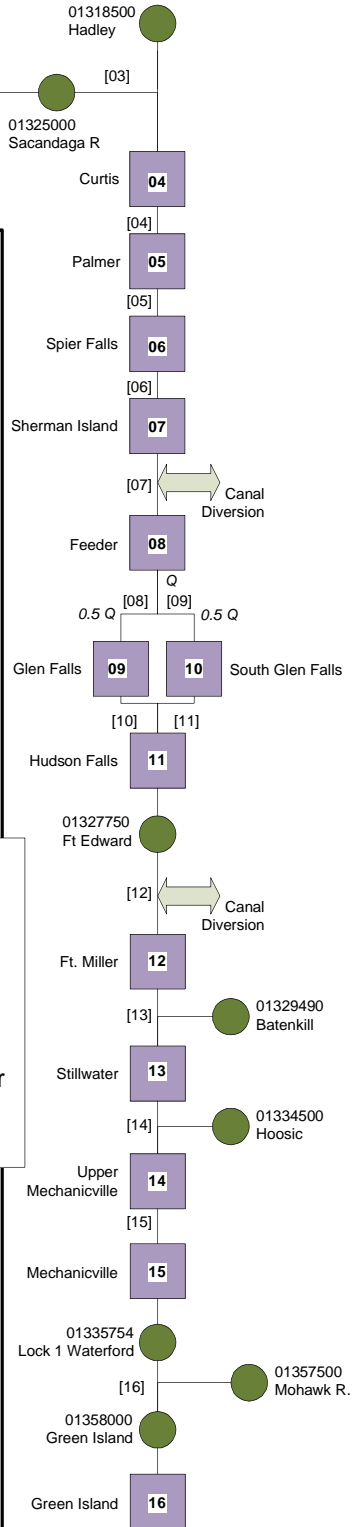
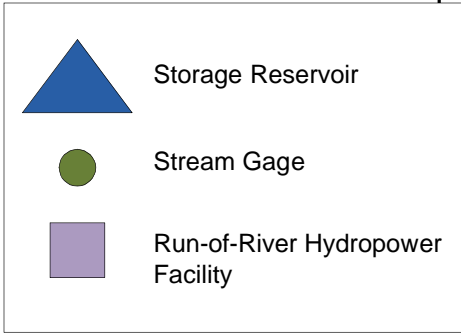


Figure 8. HWBEG Schematic for the Hudson River Basin

2.2.4.2 Project Rating Curves

Rating curves model the functional relationship between daily energy production and daily water flow through the facility. HWBEG rating curves reference total flow through a facility (the sum of turbine flows and all other flows through spillways, sluices, navigation locks, or bypasses that affect the flux and water surface elevations in the forebay or tailwater of the facility). Most run-of-river facilities exhibit a daily generation versus total flow dependency that increases almost linearly from zero production at zero flow to a maximum corresponding to the volumetric capacity of the powerhouse (the sum of all turbine capacities). As flow increase beyond the powerhouse capacity, it is typical for this increased flow to be restricted by tailwater conveyance capacity with a resulting increase in tailwater elevation. The increased tailwater elevation decreases the gross head (potential energy difference between the upper pool and downstream water surface elevation) available to the turbines, which results in a decrease in energy per unit of water passed as the river flow increases beyond powerhouse capacity. The Hudson River Projects from Stewart's Bridge to Green Island exhibit this typical functional relationship.

The daily generation and flow data for all of the facilities downstream of GSL are shown in order from upstream to downstream in the figures that follow, with overlaid plots of the multiple rating curves that are supplied to HWBEG for computation of daily generation with and without GSL storage⁵. The tabular representations of the rating curves are included in the HWBEG input files listed in the Appendix. The Green Island Project, and to a lesser extent the Mechanicville, Upper Mechanicville, and Stillwater facilities, exhibit externally forced tailwater variations that require explicit treatment via multiple energy versus flow relationships in HWBEG modeling. The Green Island tailwater variations are attributable to tidal forcing from the lower Hudson estuary, while the fluctuations of Mechanicville, Upper Mechanicville, and Stillwater are likely attributable to backwater effects of the Hudson-Mohawk and Hudson-Hoosic confluences propagating upstream.

With the exception of the Stewart's Bridge, Ft. Miller, and Glens Falls facilities, the daily generation versus total flow data for each facility exhibit a dependency on tailwater (or other time-varying factors). The procedure for rating curve development at these facilities was to plot the daily generation and flow values to discern the general shape of the functional relationship. This basic shape is that which prevails when all units are functional and unconstrained in operation. A piecewise linear reference curve is estimated visually to follow this shape through the plotted points as close as possible to the maximum generation value evident at each of the rating curve break points. This reference curve is then replicated and scaled down to produce 20 similarly-shaped rating curves applicable at varying heads (headwater to tailwater elevation differentials). The tidally induced tailwater fluctuations at Green Island required 25 curves instead of 20 to achieve the monthly and annual generation errors tolerances of 5 percent and 1 percent, respectively.

⁵Days of zero generation are shown in the plots of generation versus flow data. Section 2.3 describes how energy computations were handled for these days.

The exact shape of the reference curve and the scaling factor for each curve are adjusted to minimize the overall sum of squared deviations from the daily reported generation. This least squares fitting of shape and scaling factors is accomplished in Excel iteratively—first adjusting the shape of the reference curve with an Excel Solver operation, then adjusting the scaling factors in a subsequent Excel Solver operation. The reported generation for each day is compared to the modeled generation value for each curve, and that day is assigned to the curve that produces the best match to the reported generation. In all cases, a single iteration of this procedure was sufficient to produce rating curves that achieved less than five percent error in monthly generation totals and less than one percent error in annual generation totals. The assignment of days to curves is documented in the HWBEG input file for each facility, wherein the date ranges for each curve precede the curve vertices.

The rating curves for Stewart's Bridge did not require the aforementioned multi-curve least squares minimization process. The generation versus flow data for Stewart's Bridge exhibit a more consistent correlation than that for data from other facilities. These data were modeled with a main curve and several auxiliary curves shown in Figure 10.

Daily generation data were not available for the Fort Miller and Glens Falls facilities. The Glens Falls rating curve (Figure 16) was estimated based on the reported capacity of 12.2 MW (24 hours x 12.2 MW = 292.8 MWh per day) at 4,400 cfs with no reduction for tailwater effects. Rating curves for each year of the 2003-2008 period were developed for Fort Miller (Figure 19) by adjusting the generation values of the piecewise linear curves to minimize the deviation from monthly generation totals obtained from the EIA. The agreement of the modeled and reported monthly totals for Fort Miller is not within the five percent monthly and one percent annual tolerances. Without daily generation data for Fort Miller it is impossible to derive more accurate rating curves.

Two minor modifications to the HWBEG code were made to allow for more efficient specification of rating curves and outage days. First, the code was modified to add a "zero-generation day" option. Under this mode, the code automatically detects full outage days, defined as those for which facility flow was non-zero but the facility reported generation was effectively zero (less than 1 MWh). The code does not apply rating curve for these days and instead reports the modeled generation with and without upstream storage as zero. This revision to the code eliminates the need to "zero-generation" rating curve to each facility configuration file to address full outage days. The second modification was to increase the array storage allowed for date ranges for each rating curve. The allowable number of date ranges has been increased from 25 to 300. This allows dates to be specified automatically for variable tailwater facilities (e.g. Stillwater, Green Island) for which there are many short runs of consecutive days and relatively fewer long runs of consecutive days. In the absence of this modification, rating curves would have been repeated with different blocks of 25 date ranges to obey the 25 line maximum in the older version of the HWBEG code.⁶ These modifications do not represent a phenomenological change to the HWBEG procedure.

⁶ The 25-line limit on date ranges was a limitation based on the much smaller memory capacity of 1980-1990 vintage computing platforms.

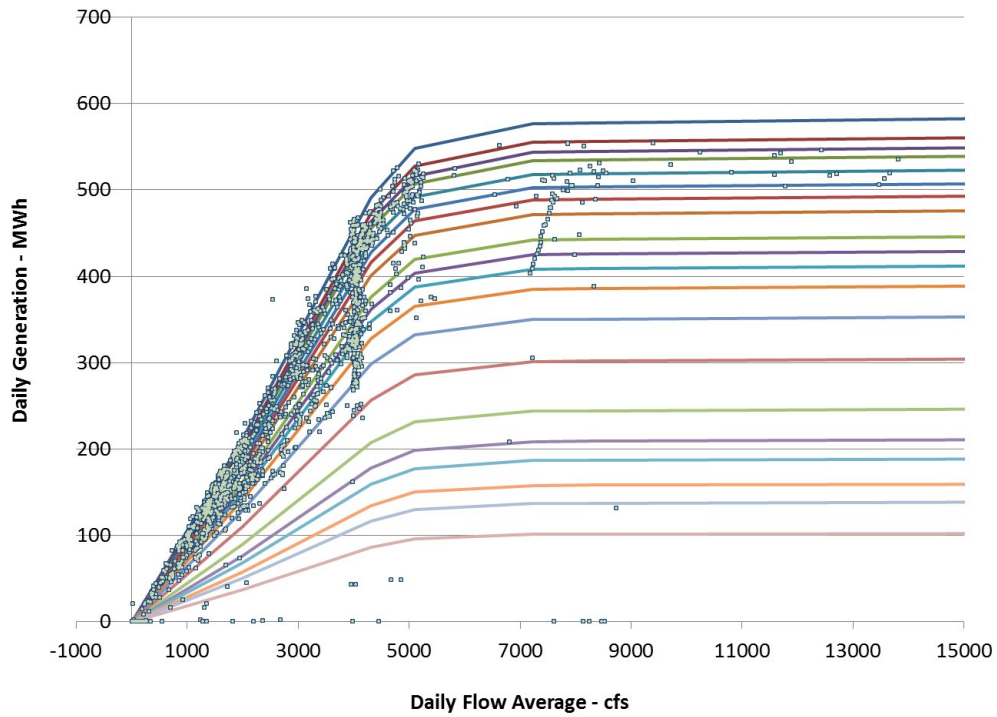


Figure 9. Piecewise linear rating curves and 2003-2008 flow and generation data for the E. J. West facility.

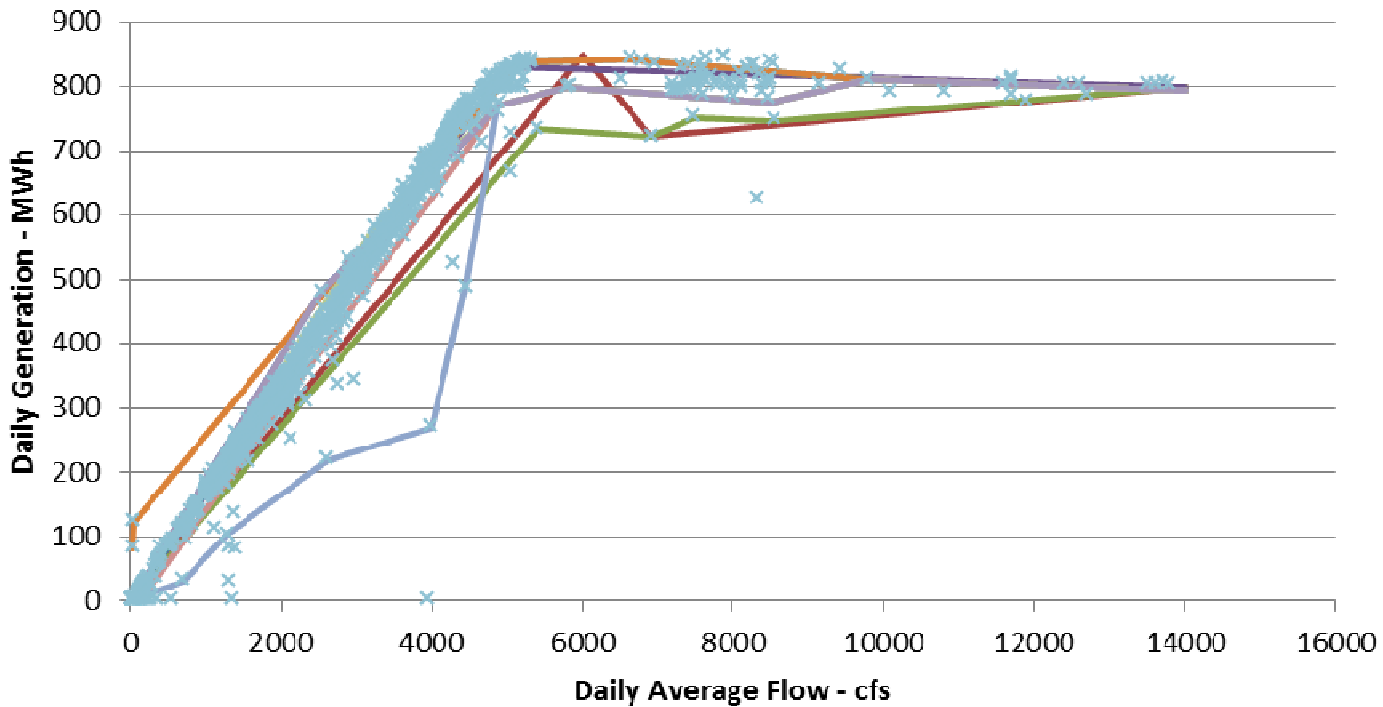


Figure 10. Piecewise linear rating curves and 2003-2008 flow and generation data for the Stewart's Bridge facility.

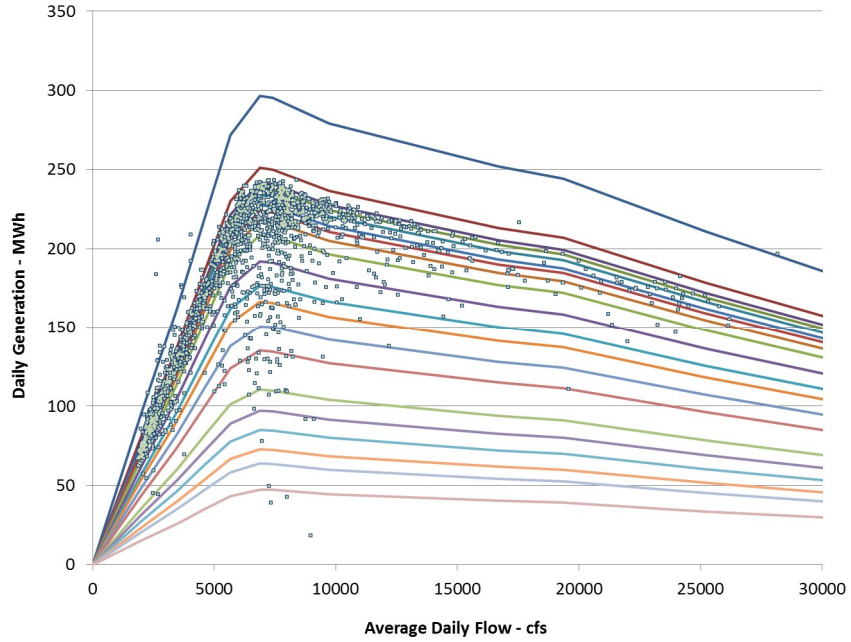


Figure 11. Piecewise linear rating curves and 2003-2008 flow and generation data for the Curtis facility.

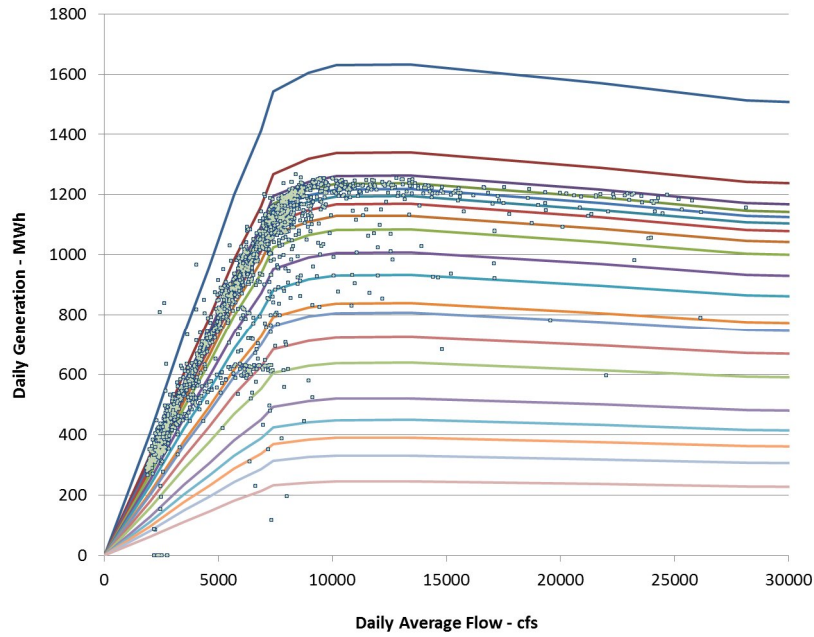


Figure 12. Piecewise linear rating curves and 2003-2008 flow and generation data for the Palmer facility.

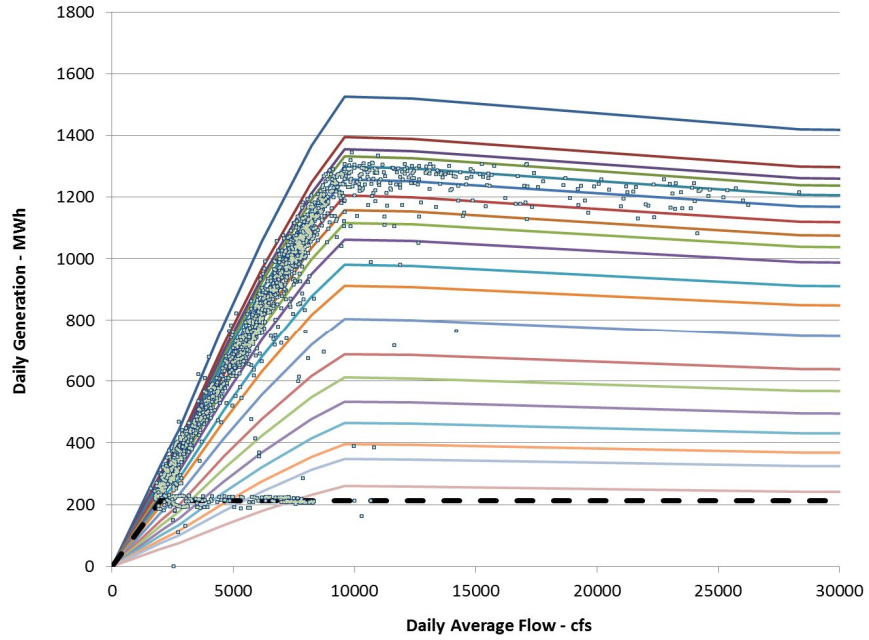


Figure 13. Piecewise linear rating curves and 2003-2008 flow and generation data for the Spier Falls facility.

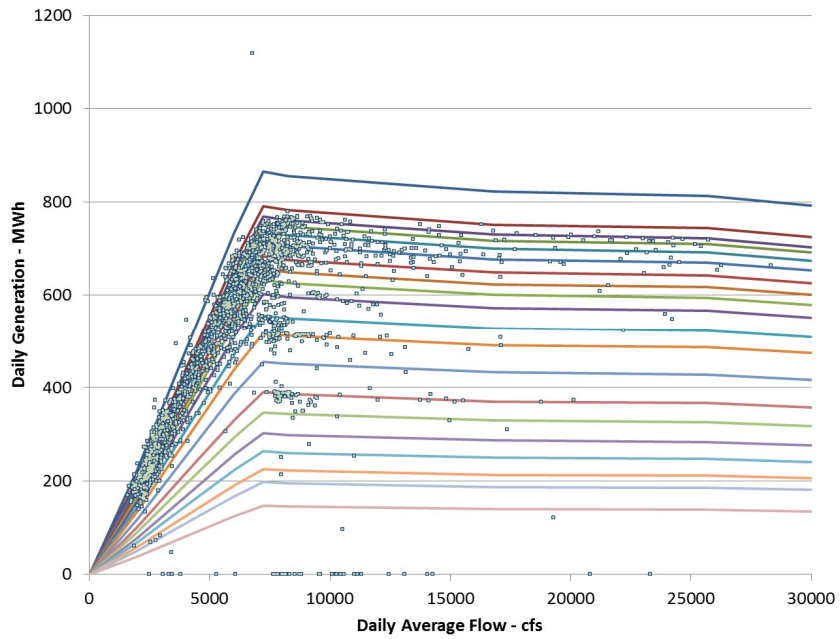


Figure 14. Piecewise linear rating curves and 2003-2008 flow and generation data for the Sherman Island facility.

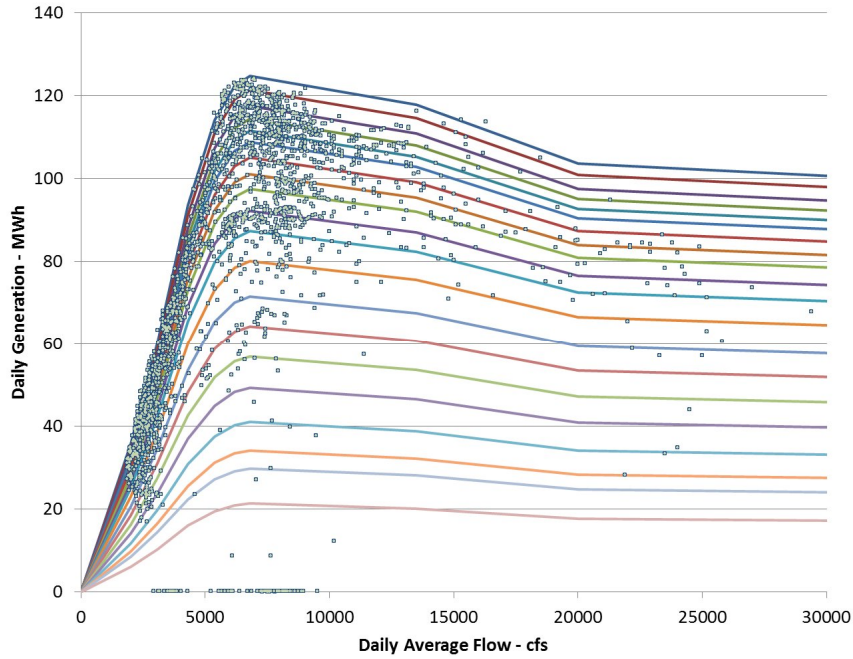


Figure 15. Piecewise linear rating curves and 2003-2008 flow and generation data for Feeder Dam.

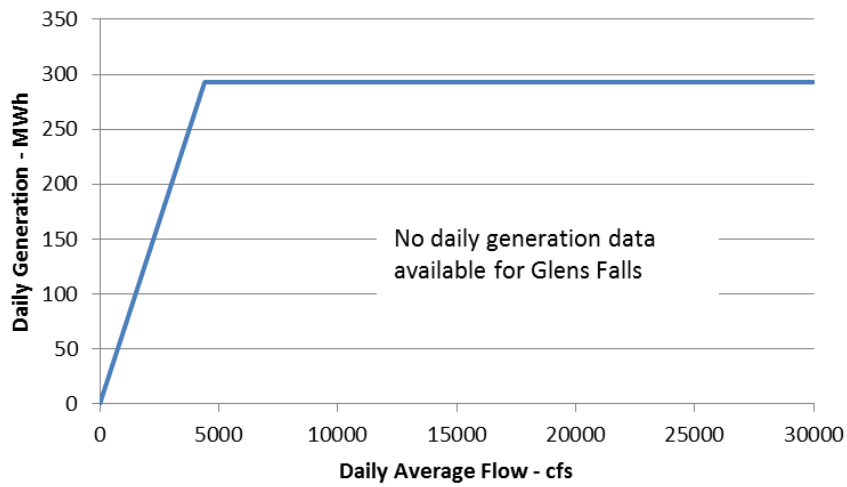


Figure 16. Piecewise linear rating curve for the Glens Falls facility.

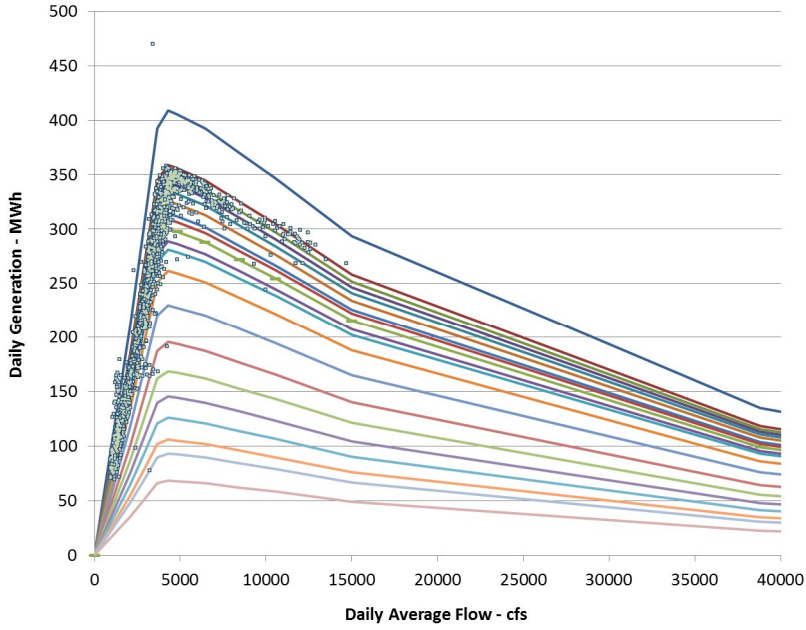


Figure 17. Piecewise linear rating curves and 2003-2008 flow and generation data for the South Glens Falls facility.

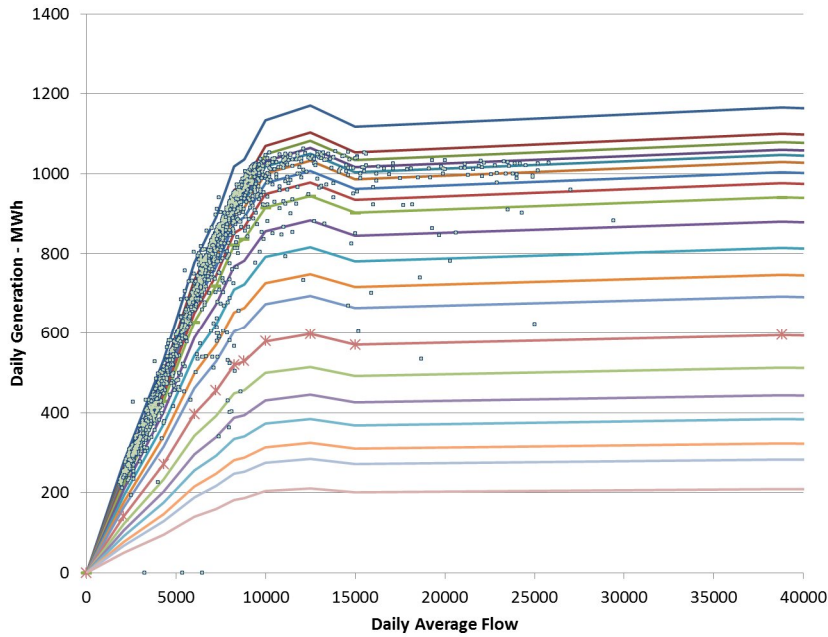


Figure 18. Piecewise linear rating curves and 2003-2008 flow and generation data for the Hudson Falls facility

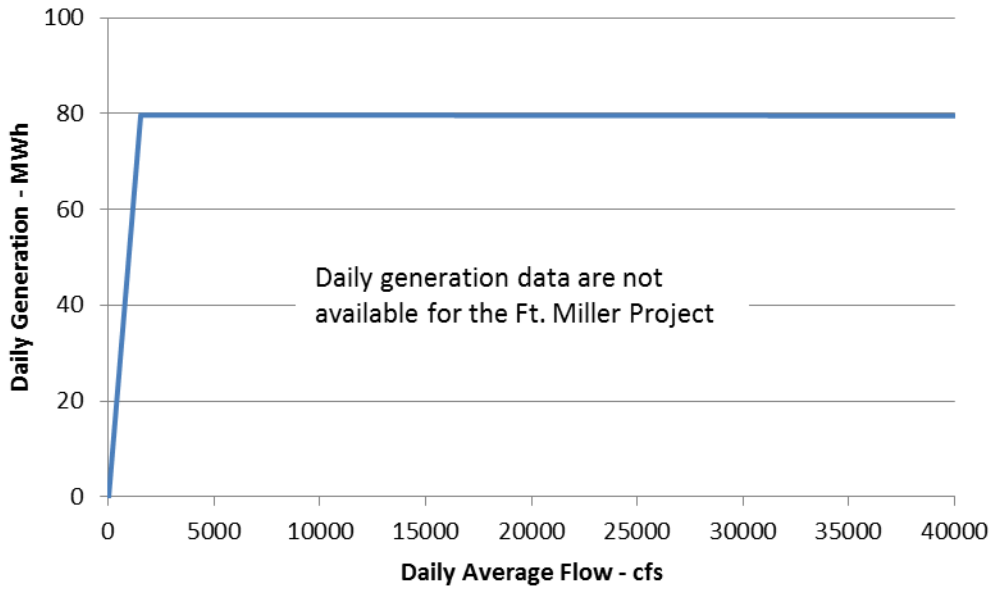


Figure 19. Piecewise linear rating curve for the Fort Miller facility

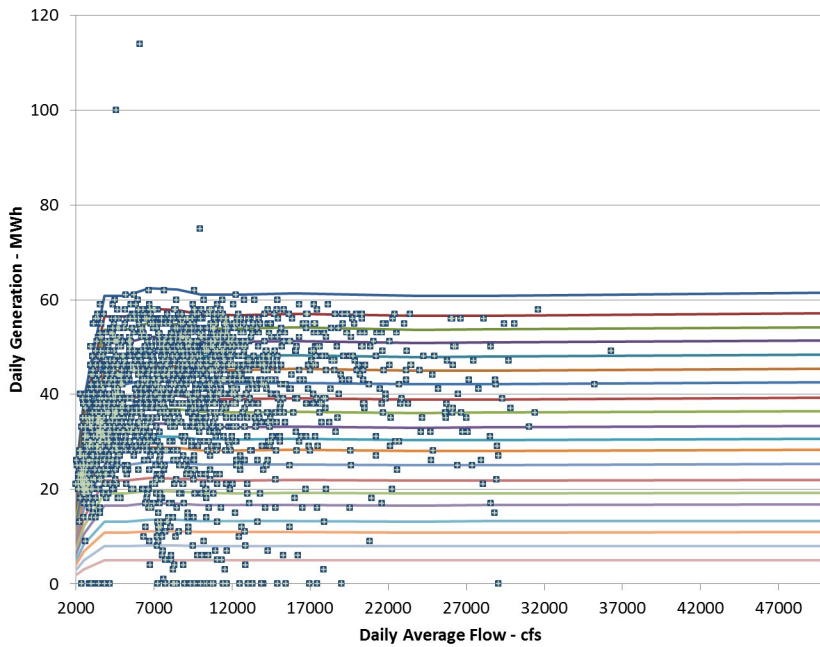


Figure 20. Piecewise linear rating curves and 2003-2008 flow and generation data for the Stillwater facility.

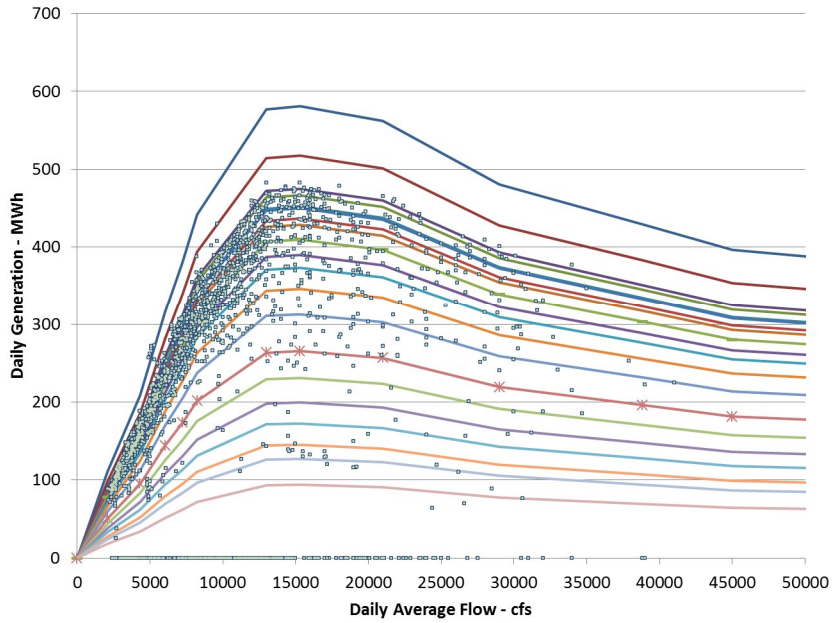


Figure 21. Piecewise linear rating curves and 2003-2008 flow and generation data for the Upper Mechanicville facility.

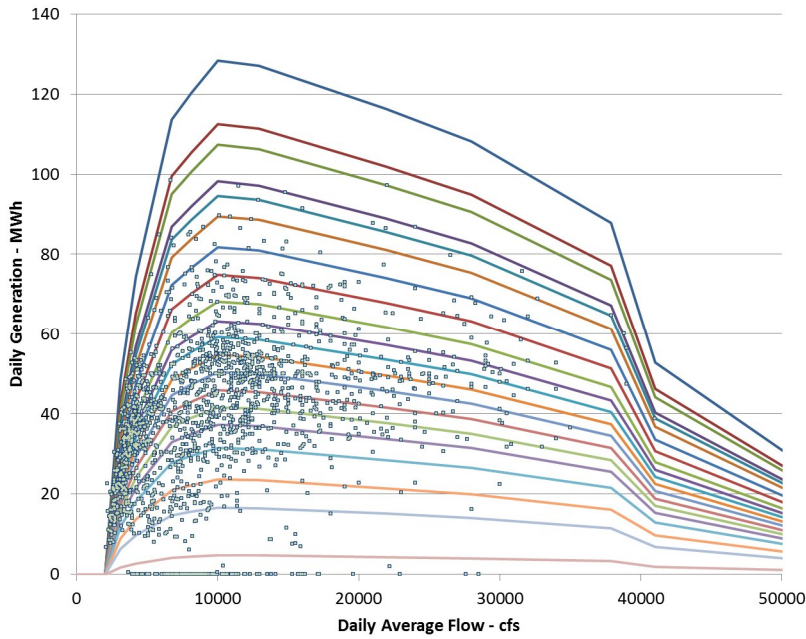


Figure 22. Piecewise linear rating curves and 2003-2008 flow and generation data for the Mechanicville facility.

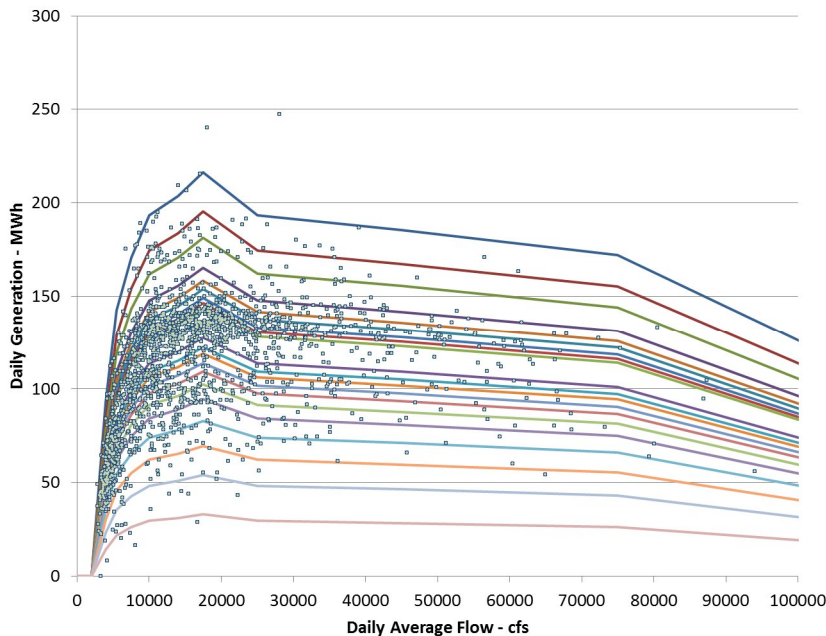


Figure 23. Piecewise linear rating curves and 2003-2008 flow and generation data for the Green Island facility

2.3 Energy Modeling and Energy Gains Results

The results of energy production (generation) modeling are presented here for the E. J. West, Stewart's Bridge, Curtis, Palmer, Spier Falls, Sherman Island, Feeder Dam, South Glens Falls, Glens Falls, Hudson Falls, Fort Miller, Stillwater, Upper Mechanicville, Mechanicville, and Green Island facilities. The reported monthly and annual energy totals, modeled monthly and annual energy totals, and computed monthly and annual energy gains are reported in the tables and figures that follow.

All facilities for which daily generation data are available have been modeled with an accuracy meeting the accepted standard of less than one percent error in annual generation totals. Monthly comparisons of reported and modeled generation for all facilities are within the accepted tolerance of five percent, with the exception of June 2006 at South Glens Falls (modeled 6.9% lower than reported; Table 15), April-May 2004 at Stewart's Bridge (modeled 38% and 6% higher than reported, respectively; Table 8), April 2005 at Stewart's Bridge (modeled 12.7% higher than reported; Table 8). However, these monthly errors occur for months with relatively low production and low energy gains. Additional information from operators of the facilities may be required to resolve these special cases and bring monthly totals into tolerance. Modeled generation errors also exceed monthly and annual tolerances at Ft. Miller (Table 17). However, these errors cannot be reduced without consideration of daily generation data, which was not available.

Table 6. Summary of Annual Generation and Energy Gains.

| | | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|------------------|-------------------------------|--------|--------|--------|--------|--------|--------|
| E J West | Reported Generation | 70562 | 82019 | 74842 | 113388 | 69887 | 75969 |
| | Modeled Generation | 70419 | 82074 | 75111 | 113398 | 69872 | 76228 |
| | | -0.2% | 0.1% | 0.4% | 0.0% | 0.0% | 0.3% |
| | Unregulated Generation | 63165 | 64905 | 59176 | 99653 | 53886 | 69984 |
| | Energy Gain | 7254 | 17168 | 15936 | 13745 | 15986 | 6245 |
| | Gain Percentage of Generation | 10% | 21% | 21% | 12% | 23% | 8% |
| Stewart's Bridge | Reported Generation | 128444 | 147600 | 138542 | 188117 | 140215 | 143336 |
| | Modeled Generation | 129651 | 148476 | 139863 | 187500 | 141285 | 143668 |
| | Generation Error | 0.9% | 0.6% | 1.0% | -0.3% | 0.8% | 0.2% |
| | Unregulated Generation | 123171 | 123126 | 116229 | 170340 | 114919 | 139368 |
| | Energy Gain | 6480 | 25350 | 23634 | 17160 | 26366 | 4300 |
| | Gain Percentage of Generation | 5% | 17% | 17% | 9% | 19% | 3% |
| Curtis | Reported Generation | 59552 | 60665 | 61096 | 69617 | 53515 | 57537 |
| | Modeled Generation | 59629 | 60654 | 61103 | 69545 | 53450 | 57545 |
| | Generation Error | 0.1% | 0.0% | 0.0% | -0.1% | -0.1% | 0.0% |
| | Unregulated Generation | 55911 | 55100 | 55266 | 65962 | 48263 | 53406 |
| | Energy Gain | 3718 | 5554 | 5837 | 3583 | 5187 | 4139 |
| | Gain Percentage of Generation | 6% | 9% | 10% | 5% | 10% | 7% |
| Palmer | Reported Generation | 279576 | 276381 | 288103 | 349148 | 255574 | 271242 |
| | Modeled Generation | 279704 | 275978 | 287723 | 348980 | 255186 | 270923 |
| | Generation Error | 0.0% | -0.1% | -0.1% | 0.0% | -0.2% | -0.1% |
| | Unregulated Generation | 265574 | 251490 | 262862 | 326061 | 231299 | 254620 |
| | Energy Gain | 14130 | 24488 | 24861 | 22919 | 23887 | 16302 |
| | Gain Percentage of Generation | 5% | 9% | 9% | 7% | 9% | 6% |
| Spier Falls | Reported Generation | 264552 | 197309 | 260634 | 330087 | 232656 | 259116 |
| | Modeled Generation | 264356 | 197164 | 260652 | 329977 | 232732 | 259247 |
| | Generation Error | -0.1% | -0.1% | 0.0% | 0.0% | 0.0% | 0.1% |
| | Unregulated Generation | 255744 | 182584 | 241226 | 309016 | 211320 | 248333 |
| | Energy Gain | 8612 | 14580 | 19427 | 20961 | 21413 | 10914 |
| | Gain Percentage of Generation | 3% | 7% | 7% | 6% | 9% | 4% |
| Sherman Island | Reported Generation | 156736 | 170026 | 185401 | 175803 | 152588 | 176881 |
| | Modeled Generation | 156351 | 170056 | 185182 | 175805 | 152529 | 176753 |
| | Generation Error | -0.2% | 0.0% | -0.1% | 0.0% | 0.0% | -0.1% |
| | Unregulated Generation | 146366 | 153594 | 167926 | 163068 | 138130 | 164399 |
| | Energy Gain | 9984 | 16462 | 17256 | 12737 | 14399 | 12354 |
| | Gain Percentage of Generation | 6% | 10% | 9% | 7% | 9% | 7% |

Table 6 (continued)

| | | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|-------------------|-------------------------------|--------|--------|--------|--------|--------|--------|
| Feeder | Reported Generation | 28208 | 29082 | 24974 | 32662 | 25039 | 28155 |
| | Modeled Generation | 28212 | 29035 | 24995 | 32707 | 25015 | 28184 |
| | Generation Error | 0.0% | -0.2% | 0.1% | 0.1% | -0.1% | 0.1% |
| | Unregulated Generation | 26213 | 26759 | 22625 | 31332 | 22875 | 26453 |
| | Energy Gain | 1999 | 2276 | 2369 | 1375 | 2141 | 1731 |
| | Gain Percentage of Generation | 7% | 8% | 9% | 4% | 9% | 6% |
| Glens Falls | Reported Generation | - | - | - | - | - | - |
| | Modeled Generation | 68482 | 69455 | 69808 | 83970 | 60168 | 69538 |
| | Generation Error | | | | | | |
| | Unregulated Generation | 61484 | 57427 | 57537 | 70688 | 46962 | 61615 |
| | Energy Gain | 6998 | 12028 | 12271 | 13282 | 13205 | 7923 |
| | Gain Percentage of Generation | 10% | 17% | 18% | 16% | 22% | 11% |
| South Glens Falls | Reported Generation | 77901 | 78328 | 82287 | 98698 | 70191 | 83011 |
| | Modeled Generation | 77869 | 78381 | 82304 | 98415 | 70087 | 82862 |
| | Generation Error | 0.0% | 0.1% | 0.0% | -0.3% | -0.1% | -0.2% |
| | Unregulated Generation | 67683 | 62156 | 65466 | 80925 | 53456 | 70407 |
| | Energy Gain | 10186 | 16225 | 16838 | 17490 | 16631 | 12455 |
| | Gain Percentage of Generation | 13% | 21% | 20% | 18% | 24% | 15% |
| Hudson Falls | Reported Generation | 224681 | 227966 | 234609 | 284365 | 204874 | 233056 |
| | Modeled Generation | 224669 | 228107 | 234514 | 283815 | 204835 | 232849 |
| | Generation Error | 0.0% | 0.1% | 0.0% | -0.2% | 0.0% | -0.1% |
| | Unregulated Generation | 217137 | 212289 | 216733 | 265835 | 184804 | 222954 |
| | Energy Gain | 7532 | 15818 | 17781 | 17980 | 20031 | 9896 |
| | Gain Percentage of Generation | 3% | 7% | 8% | 6% | 10% | 4% |
| Ft. Miller | Reported Generation | 26358 | 24987 | 26421 | 33386 | 24251 | 26397 |
| | Modeled Generation | 25544 | 25105 | 24299 | 34480 | 23451 | 27076 |
| | Generation Error | -3.1% | 0.5% | -8.0% | 3.3% | -3.3% | 2.6% |
| | Unregulated Generation | 24464 | 24625 | 22343 | 33168 | 21628 | 25922 |
| | Energy Gain | 1080 | 480 | 1956 | 1311 | 1824 | 1154 |
| | Gain Percentage of Generation | 4% | 2% | 8% | 4% | 8% | 4% |

Table 6 (continued)

| | | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|------------------------|-------------------------------|-------|--------|--------|-------|-------|--------|
| Stillwater | Reported Generation | 13291 | 14095 | 12809 | 16679 | 12657 | 13648 |
| | Modeled Generation | 13306 | 14035 | 12771 | 16630 | 12642 | 13651 |
| | Generation Error | 0.1% | -0.4% | -0.3% | -0.3% | -0.1% | 0.0% |
| | Unregulated Generation | 12818 | 13635 | 12171 | 16223 | 11446 | 13152 |
| | Energy Gain | 487 | 401 | 600 | 407 | 1196 | 499 |
| | Gain Percentage of Generation | 4% | 3% | 5% | 2% | 9% | 4% |
| Upper Mechanicville | Reported Generation | 90465 | 104429 | 106102 | 0 | 87504 | 103796 |
| | Modeled Generation | 90487 | 104457 | 106135 | 0 | 87524 | 103684 |
| | Generation Error | 0.0% | 0.0% | 0.0% | | 0.0% | -0.1% |
| | Unregulated Generation | 86459 | 97663 | 98846 | 0 | 80436 | 99492 |
| | Energy Gain | 4028 | 6794 | 7289 | 0 | 7088 | 4191 |
| | Gain Percentage of Generation | 4% | 7% | 7% | | 8% | 4% |
| Mechanicville | Reported Generation | 0 | 6840 | 13151 | 16355 | 15770 | 18115 |
| | Modeled Generation | 0 | 6867 | 13125 | 16350 | 15729 | 18134 |
| | Generation Error | | 0.4% | -0.2% | 0.0% | -0.3% | 0.1% |
| | Unregulated Generation | 0 | 6415 | 11834 | 15482 | 13733 | 17199 |
| | Energy Gain | 0 | 453 | 1291 | 869 | 1996 | 935 |
| | Gain Percentage of Generation | | 7% | 10% | 5% | 13% | 5% |
| Green Island | Reported Generation | 42460 | 43404 | 38369 | 45897 | 34823 | 40374 |
| | Modeled Generation | 42379 | 43397 | 38391 | 45865 | 34830 | 40362 |
| | Generation Error | -0.2% | 0.0% | 0.1% | -0.1% | 0.0% | 0.0% |
| | Unregulated Generation | 41527 | 42328 | 36767 | 45030 | 32654 | 39588 |
| | Energy Gain | 853 | 1069 | 1624 | 835 | 2177 | 774 |
| | Gain Percentage of Generation | 2% | 2% | 4% | 2% | 6% | 2% |

Figure 24 provides a comprehensive basin-scale visualization of annual energy gains. There are significant year-to-year variations in energy gains for most facilities. Figure 25 shows the month-to-month and inter-annual variation of monthly flow averages, as well as the variation of annual averages for the Hudson River flow at the Fort Edward stream gage. Comparison of these monthly and annual average flows in Figure 25 to annual energy gains in Figure 24 reveals that year-to-year differences in annual energy gains are correlated with the occurrence of extremes of monthly flow averages within a given year. Comparison with average annual flows also shows that average annual flow is not a reliable predictor of annual energy gains.

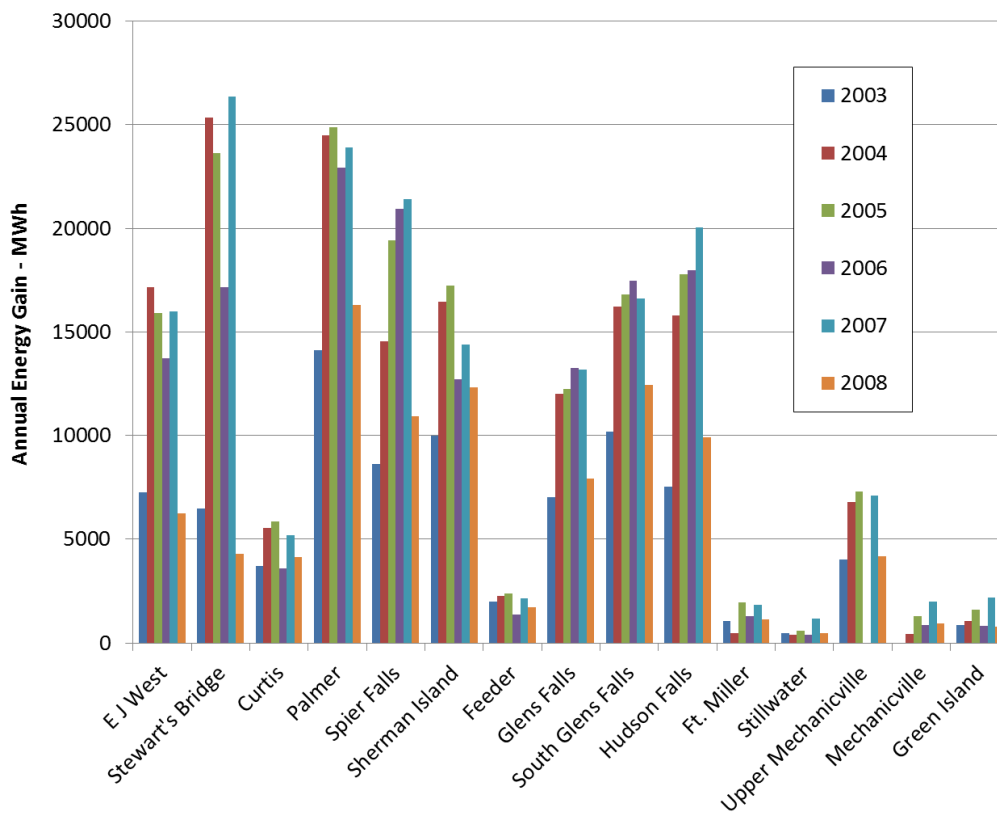


Figure 24. Annual Energy Gains for the Hudson River Projects.

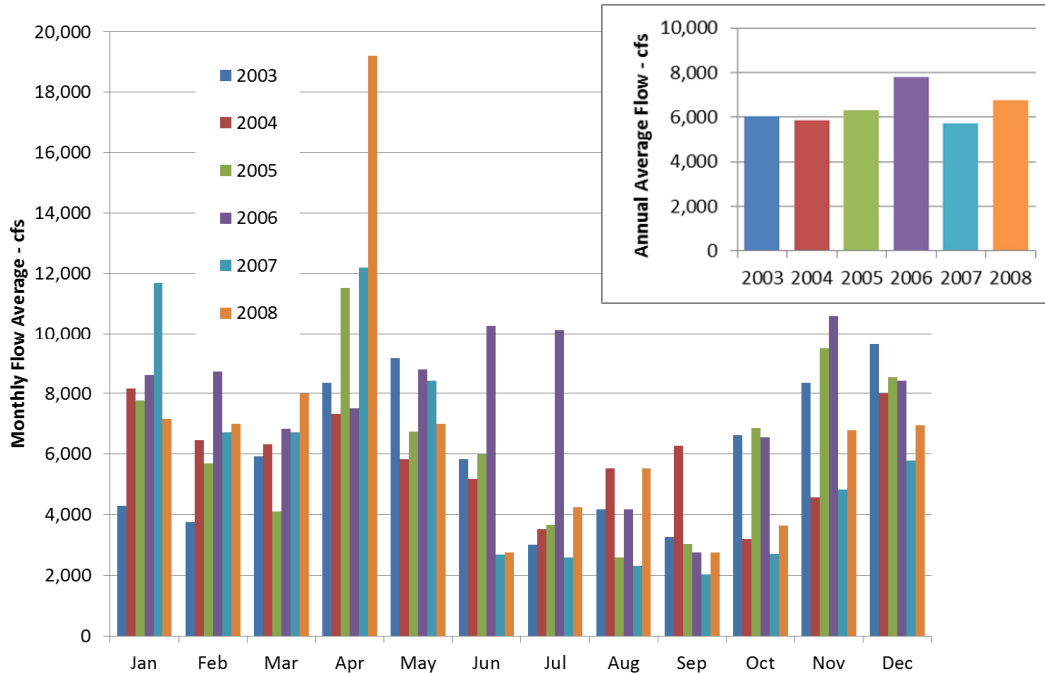


Figure 25. Annual and monthly streamflow averages at the Fort Edward gage for the 2003-2008 period.

Figure 26 presents annual energy gains normalized by annual generation for each facility, which effectively removes the influence of different installed capacities for facilities. This presentation of the annual energy gains reveals a general trend of decreasing influence of upstream storage changes with distance downstream. This result is not unexpected given the tributary inflows and canal fluctuations that dilute the significance of the GSL fluctuations relative to overall streamflow and other sources of fluctuation. The normalized Glens Falls and South Glens Falls energy gains anomalies with respect to this trend bear further scrutiny, particularly since the Glens Falls rating curves are un-calibrated due to the absence of daily generation data.

Individual facility plots of energy gains follow Figure 26, with a combined depiction of generation with and without GSL, and agreement of modeled and reported generation. In these plots, the energy gains are shown stacked above the modeled generation without GSL. The modeled total generation, which would ideally match reported generation, is the sum of the stacked bars. The reported generation is shown as an outlined bar and, in most cases, is indistinguishable from the sum of modeled generation with GSL and the modeled energy gain. In the limited number of months when energy gains are negative, the reported generation falls below the generation without GSL by an amount very nearly equal to the magnitude of the negative energy gain. This is an expected and accurate representation of the effect of negative energy gains and does not indicate error between reported and modeled generation.

2.4 Conclusions

Energy gains attributable to Great Sacandaga Lake have been estimated for downstream hydroelectric facilities E.J. West, Stewart's Bridge, Curtis, Palmer Falls, Spier Falls, Sherman Island, Feeder Dam, Glens Falls, South Glens Falls, Hudson Falls, Fort Miller, Stillwater, Upper Mechanicville, Mechanicville, and Green Island. Annual energy gains for these facilities are consistently positive from year to year, ranging from a minimum of 2 percent of annual generation in several years for several facilities to a maximum of 24 percent in 2007 for South Glens Falls. Monthly gains are more varied, with most facilities experiencing low magnitude negative energy gains sporadically during months with above average water availability.

Refinements to the energy gains analysis presented herein are possible, including incorporation of storage changes from Hinckley Reservoir in the Mohawk River Basin or inclusion of storage changes from Indian Lake or Saratoga Lake. However, these storage changes are significantly smaller than those provided by Great Sacandaga Lake and are unlikely to significantly change the energy gains attributable to Great Sacandaga Lake. Such refinements are expected to require significant effort and expense equal to or greater than that required to arrive at the results provided herein.

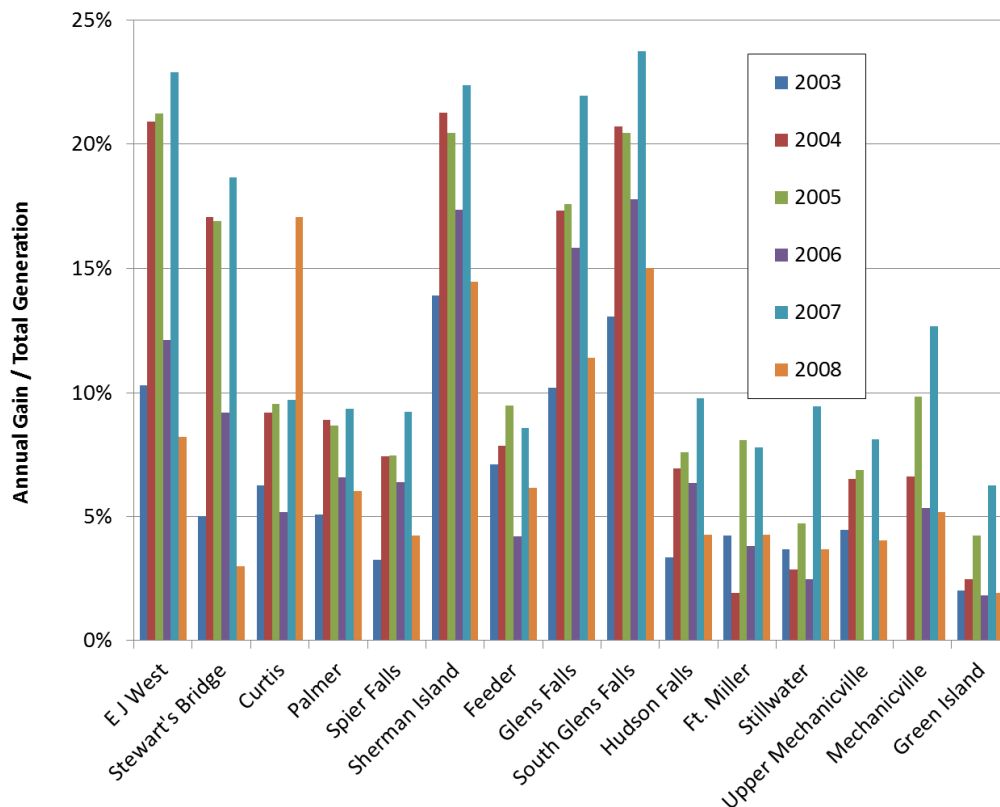


Figure 26. Annual energy gains for the Hudson River facilities, visualized as a fraction of total annual facility generation.

Table 7. Generation and Energy Gains for the E.J. West Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 1214 | 823 | 1221 | 0.6% | 398 | 33% |
| Feb-03 | 4538 | 3267 | 4540 | 0.0% | 1273 | 28% |
| Mar-03 | 1729 | 1534 | 1783 | 3.2% | 249 | 14% |
| Apr-03 | 1458 | 2676 | 1437 | -1.5% | -1239 | -86% |
| May-03 | 11641 | 10610 | 11594 | -0.4% | 984 | 8% |
| Jun-03 | 9467 | 7452 | 9439 | -0.3% | 1987 | 21% |
| Jul-03 | 5372 | 4090 | 5391 | 0.4% | 1301 | 24% |
| Aug-03 | 6993 | 5613 | 6990 | -0.1% | 1377 | 20% |
| Sep-03 | 5270 | 4523 | 5264 | -0.1% | 742 | 14% |
| Oct-03 | 7050 | 6454 | 7051 | 0.0% | 597 | 8% |
| Nov-03 | 5140 | 5919 | 5041 | -1.9% | -879 | -17% |
| Dec-03 | 10690 | 10205 | 10670 | -0.2% | 465 | 4% |
| Total 2003 | 70562 | 63165 | 70419 | -0.2% | 7254 | 10% |
| Jan-04 | 14783 | 10308 | 14788 | 0.0% | 4480 | 30% |
| Feb-04 | 10845 | 6265 | 10859 | 0.1% | 4594 | 42% |
| Mar-04 | 5906 | 4381 | 5934 | 0.5% | 1553 | 26% |
| Apr-04 | -5 | 0 | 0 | | 0 | |
| May-04 | 1399 | 1962 | 1390 | -0.7% | -572 | -41% |
| Jun-04 | 9099 | 5803 | 9069 | -0.3% | 3266 | 36% |
| Jul-04 | 5068 | 4740 | 5078 | 0.2% | 338 | 7% |
| Aug-04 | 7406 | 5878 | 7395 | -0.1% | 1517 | 21% |
| Sep-04 | 7902 | 6277 | 7910 | 0.1% | 1633 | 21% |
| Oct-04 | 5164 | 3607 | 5158 | -0.1% | 1552 | 30% |
| Nov-04 | 6271 | 5489 | 6299 | 0.4% | 810 | 13% |
| Dec-04 | 8182 | 10196 | 8195 | 0.2% | -2001 | -24% |
| Total 2004 | 82019 | 64905 | 82074 | 0.1% | 17168 | 21% |
| Jan-05 | 10981 | 8601 | 10950 | -0.3% | 2349 | 21% |
| Feb-05 | 8542 | 5320 | 8611 | 0.8% | 3290 | 38% |
| Mar-05 | 4453 | 3426 | 4453 | 0.0% | 1028 | 23% |
| Apr-05 | -7 | 0 | 0 | | 0 | |
| May-05 | 6437 | 5152 | 6605 | 2.6% | 1454 | 22% |
| Jun-05 | 4412 | 3111 | 4418 | 0.1% | 1307 | 30% |
| Jul-05 | 4542 | 2909 | 4543 | 0.0% | 1634 | 36% |
| Aug-05 | 5117 | 2877 | 5133 | 0.3% | 2256 | 44% |
| Sep-05 | 4336 | 3075 | 4332 | -0.1% | 1257 | 29% |
| Oct-05 | 3577 | 5336 | 3590 | 0.4% | -1745 | -49% |
| Nov-05 | 8589 | 8694 | 8613 | 0.3% | -81 | -1% |
| Dec-05 | 13864 | 10676 | 13864 | 0.0% | 3188 | 23% |
| Total 2005 | 74842 | 59176 | 75111 | 0.4% | 15936 | 21% |

Table 7 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 8219 | 7559 | 8239 | 0.2% | 679 | 8% |
| Feb-06 | 11086 | 9063 | 11069 | -0.2% | 2005 | 18% |
| Mar-06 | 10778 | 8476 | 10768 | -0.1% | 2292 | 21% |
| Apr-06 | 5849 | 7686 | 5867 | 0.3% | -1819 | -31% |
| May-06 | 10770 | 10079 | 10763 | -0.1% | 685 | 6% |
| Jun-06 | 11922 | 10207 | 11914 | -0.1% | 1706 | 14% |
| Jul-06 | 14563 | 12081 | 14571 | 0.1% | 2489 | 17% |
| Aug-06 | 7580 | 4555 | 7582 | 0.0% | 3027 | 40% |
| Sep-06 | 4618 | 3140 | 4618 | 0.0% | 1479 | 32% |
| Oct-06 | 5055 | 5568 | 5034 | -0.4% | -534 | -11% |
| Nov-06 | 10419 | 9869 | 10438 | 0.2% | 569 | 5% |
| Dec-06 | 12529 | 11369 | 12536 | 0.1% | 1166 | 9% |
| Total 2006 | 113388 | 99653 | 113398 | 0.0% | 13745 | 12% |
| Jan-07 | 13332 | 12600 | 13306 | -0.2% | 706 | 5% |
| Feb-07 | 9758 | 6056 | 9739 | -0.2% | 3684 | 38% |
| Mar-07 | 6854 | 5541 | 6900 | 0.7% | 1358 | 20% |
| Apr-07 | 1 | 0 | 0 | | 0 | |
| May-07 | 9643 | 7737 | 9637 | -0.1% | 1900 | 20% |
| Jun-07 | 4513 | 2857 | 4509 | -0.1% | 1653 | 37% |
| Jul-07 | 4226 | 2836 | 4234 | 0.2% | 1397 | 33% |
| Aug-07 | 4655 | 2495 | 4663 | 0.2% | 2167 | 46% |
| Sep-07 | 3613 | 2026 | 3619 | 0.2% | 1593 | 44% |
| Oct-07 | 2153 | 1405 | 2155 | 0.1% | 750 | 35% |
| Nov-07 | 4330 | 4868 | 4314 | -0.4% | -554 | -13% |
| Dec-07 | 6809 | 5465 | 6797 | -0.2% | 1332 | 20% |
| Total 2007 | 69887 | 53886 | 69872 | 0.0% | 15986 | 23% |
| Jan-08 | 6826 | 5563 | 6829 | 0.1% | 1266 | 19% |
| Feb-08 | 8540 | 7911 | 8538 | 0.0% | 627 | 7% |
| Mar-08 | 6702 | 8143 | 6724 | 0.3% | -1419 | -21% |
| Apr-08 | 8795 | 9643 | 9069 | 3.1% | -573 | -6% |
| May-08 | 6908 | 6201 | 6911 | 0.0% | 710 | 10% |
| Jun-08 | 3149 | 2571 | 3143 | -0.2% | 572 | 18% |
| Jul-08 | 5136 | 4656 | 5144 | 0.1% | 488 | 9% |
| Aug-08 | 5732 | 4196 | 5725 | -0.1% | 1528 | 27% |
| Sep-08 | 3992 | 2476 | 3997 | 0.1% | 1521 | 38% |
| Oct-08 | 4204 | 3935 | 4196 | -0.2% | 261 | 6% |
| Nov-08 | 8454 | 6420 | 8448 | -0.1% | 2028 | 24% |
| Dec-08 | 7532 | 8269 | 7506 | -0.3% | -763 | -10% |
| Total 2008 | 75969 | 69984 | 76228 | 0.3% | 6245 | 8% |

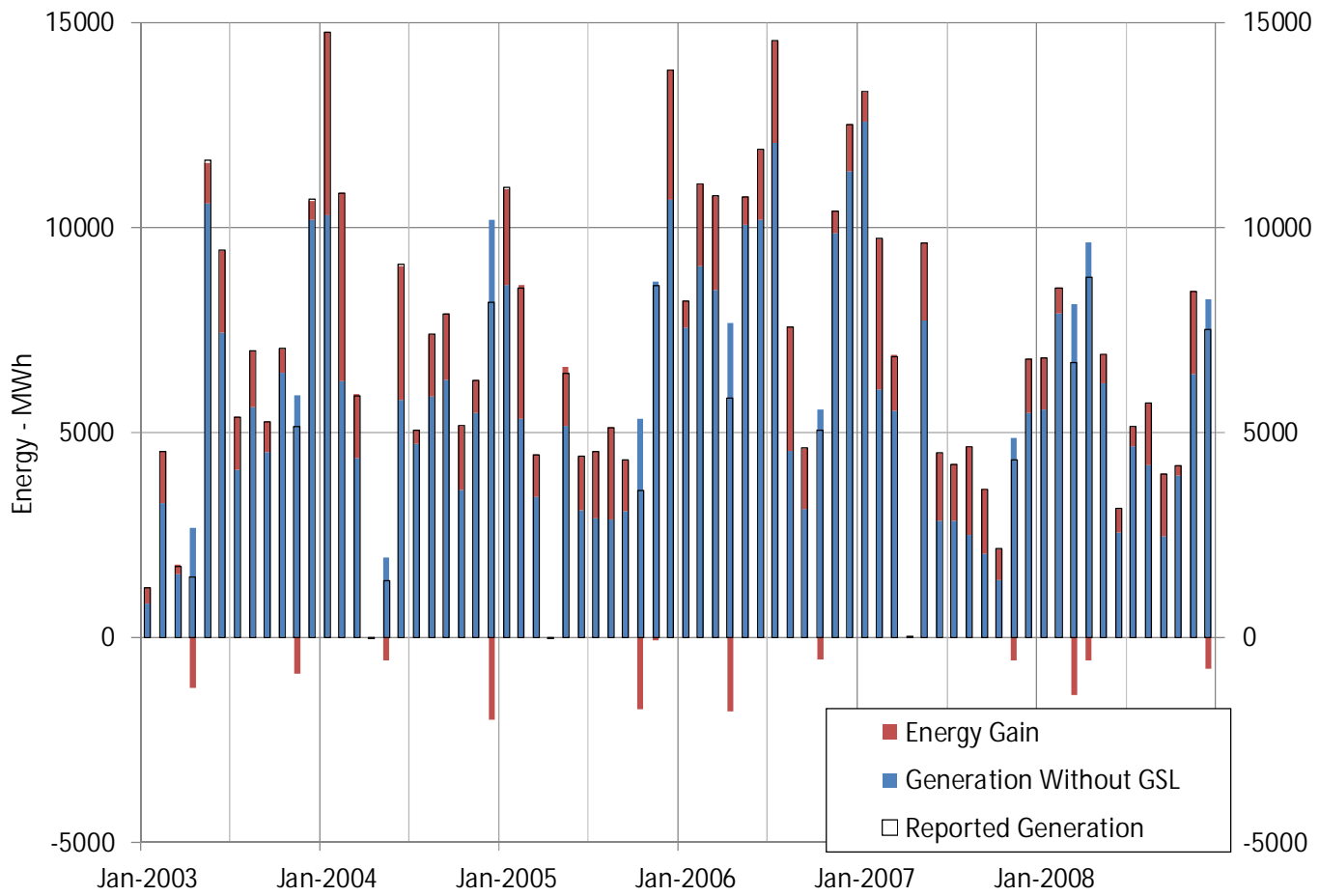


Figure 27. Plot of Monthly Generation and Energy Gains for the E. J. West Facility.

Table 8. Generation and Energy Gains for the Stewart's Bridge Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 12115 | 8461 | 12047 | -0.6% | 3586 | 30% |
| Feb-03 | 9781 | 6913 | 9650 | -1.3% | 2737 | 28% |
| Mar-03 | 5353 | 8080 | 5310 | -0.8% | -2770 | -52% |
| Apr-03 | 2557 | 4853 | 2623 | 2.5% | -2230 | -85% |
| May-03 | 17944 | 16690 | 18204 | 1.4% | 1514 | 8% |
| Jun-03 | 14509 | 11781 | 14721 | 1.5% | 2940 | 20% |
| Jul-03 | 8641 | 6694 | 8858 | 2.5% | 2165 | 24% |
| Aug-03 | 11446 | 9434 | 11652 | 1.8% | 2218 | 19% |
| Sep-03 | 9210 | 7989 | 9347 | 1.5% | 1358 | 15% |
| Oct-03 | 12163 | 13575 | 12361 | 1.6% | -1214 | -10% |
| Nov-03 | 8302 | 11305 | 8383 | 1.0% | -2923 | -35% |
| Dec-03 | 16423 | 17397 | 16495 | 0.4% | -902 | -5% |
| Total 2003 | 128444 | 123171 | 129651 | 0.9% | 6480 | 5% |
| Jan-04 | 24111 | 16880 | 24191 | 0.3% | 7311 | 30% |
| Feb-04 | 22232 | 13155 | 22217 | -0.1% | 9063 | 41% |
| Mar-04 | 15279 | 12203 | 15283 | 0.0% | 3080 | 20% |
| Apr-04 | 114 | 1685 | 157 | 37.8% | -1528 | -975% |
| May-04 | 2254 | 5974 | 2389 | 6.0% | -3585 | -150% |
| Jun-04 | 13788 | 9077 | 13907 | 0.9% | 4830 | 35% |
| Jul-04 | 8268 | 7838 | 8450 | 2.2% | 612 | 7% |
| Aug-04 | 12084 | 9770 | 12118 | 0.3% | 2348 | 19% |
| Sep-04 | 13489 | 10907 | 13534 | 0.3% | 2627 | 19% |
| Oct-04 | 9408 | 6724 | 9520 | 1.2% | 2796 | 29% |
| Nov-04 | 12029 | 10610 | 12133 | 0.9% | 1523 | 13% |
| Dec-04 | 14546 | 18303 | 14577 | 0.2% | -3726 | -26% |
| Total 2004 | 147600 | 123126 | 148476 | 0.6% | 25350 | 17% |
| Jan-05 | 19816 | 15828 | 19900 | 0.4% | 4072 | 20% |
| Feb-05 | 17885 | 11525 | 17982 | 0.5% | 6457 | 36% |
| Mar-05 | 11178 | 9006 | 11279 | 0.9% | 2273 | 20% |
| Apr-05 | 151 | 621 | 170 | 12.7% | -451 | -266% |
| May-05 | 13882 | 12241 | 13928 | 0.3% | 1687 | 12% |
| Jun-05 | 7324 | 5779 | 7393 | 0.9% | 1614 | 22% |
| Jul-05 | 7549 | 4919 | 7757 | 2.8% | 2838 | 37% |
| Aug-05 | 9066 | 5180 | 9240 | 1.9% | 4060 | 44% |
| Sep-05 | 7996 | 5831 | 8223 | 2.8% | 2392 | 29% |
| Oct-05 | 6602 | 10768 | 6832 | 3.5% | -3936 | -58% |
| Nov-05 | 14201 | 16732 | 14300 | 0.7% | -2433 | -17% |
| Dec-05 | 22892 | 17799 | 22860 | -0.1% | 5062 | 22% |
| Total 2005 | 138542 | 116229 | 139863 | 1.0% | 23634 | 17% |

Table 8 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 14240 | 14097 | 14306 | 0.5% | 209 | 1% |
| Feb-06 | 17897 | 15284 | 17728 | -0.9% | 2444 | 14% |
| Mar-06 | 18590 | 15628 | 18380 | -1.1% | 2753 | 15% |
| Apr-06 | 9797 | 12841 | 9852 | 0.6% | -2988 | -30% |
| May-06 | 17313 | 16324 | 17094 | -1.3% | 770 | 5% |
| Jun-06 | 18847 | 15265 | 18824 | -0.1% | 3559 | 19% |
| Jul-06 | 22983 | 19414 | 23252 | 1.2% | 3838 | 17% |
| Aug-06 | 12903 | 8018 | 12908 | 0.0% | 4890 | 38% |
| Sep-06 | 8442 | 5796 | 8494 | 0.6% | 2698 | 32% |
| Oct-06 | 9550 | 12326 | 9634 | 0.9% | -2692 | -28% |
| Nov-06 | 16912 | 16597 | 16837 | -0.4% | 240 | 1% |
| Dec-06 | 20644 | 18753 | 20193 | -2.2% | 1440 | 7% |
| Total 2006 | 188117 | 170340 | 187500 | -0.3% | 17160 | 9% |
| Jan-07 | 22564 | 23161 | 22910 | 1.5% | -251 | -1% |
| Feb-07 | 19835 | 12736 | 19755 | -0.4% | 7019 | 36% |
| Mar-07 | 16764 | 15063 | 16771 | 0.0% | 1707 | 10% |
| Apr-07 | 3831 | 4065 | 3765 | -1.7% | -300 | -8% |
| May-07 | 16936 | 14320 | 17053 | 0.7% | 2734 | 16% |
| Jun-07 | 7610 | 4882 | 7701 | 1.2% | 2820 | 37% |
| Jul-07 | 7840 | 5407 | 8011 | 2.2% | 2604 | 33% |
| Aug-07 | 8827 | 4795 | 8965 | 1.6% | 4170 | 47% |
| Sep-07 | 7453 | 4251 | 7569 | 1.5% | 3317 | 44% |
| Oct-07 | 4777 | 3754 | 4815 | 0.8% | 1061 | 22% |
| Nov-07 | 9074 | 10380 | 9142 | 0.8% | -1237 | -14% |
| Dec-07 | 14704 | 12107 | 14828 | 0.8% | 2722 | 18% |
| Total 2007 | 140215 | 114919 | 141285 | 0.8% | 26366 | 19% |
| Jan-08 | 14210 | 13834 | 14177 | -0.2% | 343 | 2% |
| Feb-08 | 17954 | 16696 | 17957 | 0.0% | 1261 | 7% |
| Mar-08 | 13199 | 16842 | 13293 | 0.7% | -3549 | -27% |
| Apr-08 | 15550 | 20669 | 15613 | 0.4% | -5056 | -32% |
| May-08 | 11236 | 10315 | 11290 | 0.5% | 975 | 9% |
| Jun-08 | 5321 | 4415 | 5401 | 1.5% | 986 | 18% |
| Jul-08 | 8511 | 7761 | 8511 | 0.0% | 750 | 9% |
| Aug-08 | 10190 | 7558 | 10273 | 0.8% | 2715 | 26% |
| Sep-08 | 7338 | 4543 | 7350 | 0.2% | 2807 | 38% |
| Oct-08 | 8130 | 7290 | 8036 | -1.2% | 746 | 9% |
| Nov-08 | 16706 | 12937 | 16718 | 0.1% | 3781 | 23% |
| Dec-08 | 14992 | 16510 | 15051 | 0.4% | -1458 | -10% |
| Total 2008 | 143336 | 139368 | 143668 | 0.2% | 4300 | 3% |

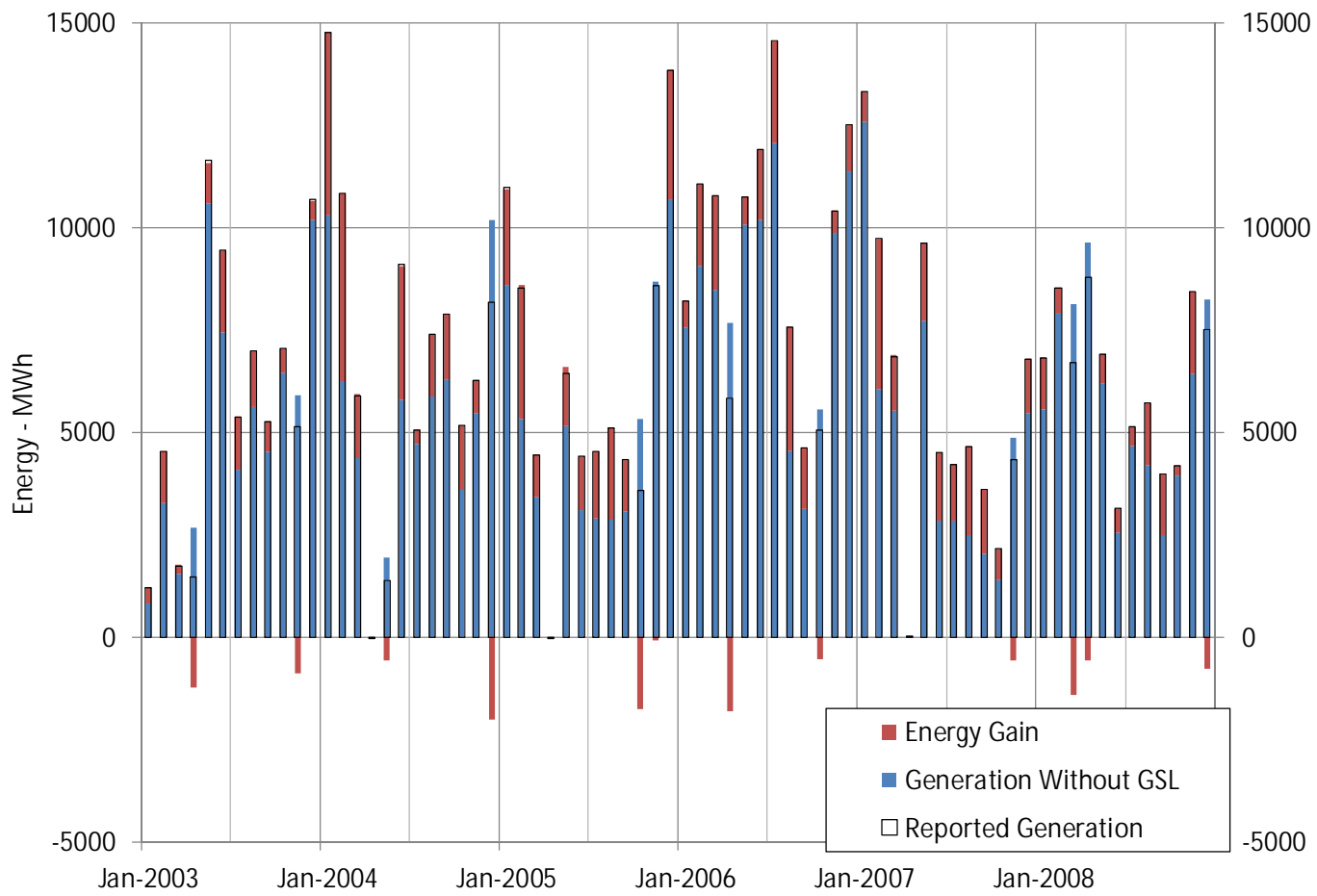


Figure 28. Plot of Monthly Generation and Energy Gains for the Stewart's Bridge Facility.

Table 9. Generation and Energy Gains for the Curtis Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 4450 | 3633 | 4449 | 0.0% | 816 | 18% |
| Feb-03 | 3504 | 2902 | 3504 | 0.0% | 603 | 17% |
| Mar-03 | 4212 | 4006 | 4212 | 0.0% | 207 | 5% |
| Apr-03 | 6134 | 6293 | 6126 | -0.1% | -167 | -3% |
| May-03 | 6814 | 6762 | 6815 | 0.0% | 53 | 1% |
| Jun-03 | 5657 | 5091 | 5646 | -0.2% | 556 | 10% |
| Jul-03 | 3109 | 2664 | 3108 | 0.0% | 444 | 14% |
| Aug-03 | 4211 | 3769 | 4219 | 0.2% | 450 | 11% |
| Sep-03 | 3203 | 2841 | 3139 | -2.0% | 299 | 10% |
| Oct-03 | 5587 | 5330 | 5597 | 0.2% | 267 | 5% |
| Nov-03 | 6454 | 6295 | 6443 | -0.2% | 148 | 2% |
| Dec-03 | 6216 | 6327 | 6370 | 2.5% | 43 | 1% |
| Total 2003 | 59552 | 55911 | 59629 | 0.1% | 3718 | 6% |
| Jan-04 | 5958 | 5285 | 5974 | 0.3% | 689 | 12% |
| Feb-04 | 6229 | 4257 | 6237 | 0.1% | 1980 | 32% |
| Mar-04 | 6121 | 5275 | 6120 | 0.0% | 845 | 14% |
| Apr-04 | 6010 | 6479 | 6013 | 0.0% | -466 | -8% |
| May-04 | 4409 | 5040 | 4368 | -0.9% | -673 | -15% |
| Jun-04 | 4518 | 3809 | 4516 | 0.0% | 707 | 16% |
| Jul-04 | 3194 | 3048 | 3186 | -0.2% | 138 | 4% |
| Aug-04 | 5604 | 5056 | 5611 | 0.1% | 555 | 10% |
| Sep-04 | 5313 | 4824 | 5304 | -0.2% | 480 | 9% |
| Oct-04 | 3318 | 2744 | 3325 | 0.2% | 581 | 17% |
| Nov-04 | 4242 | 3792 | 4249 | 0.2% | 457 | 11% |
| Dec-04 | 5750 | 5490 | 5751 | 0.0% | 261 | 5% |
| Total 2004 | 60665 | 55100 | 60654 | 0.0% | 5554 | 9% |
| Jan-05 | 5741 | 5239 | 5755 | 0.2% | 516 | 9% |
| Feb-05 | 5539 | 4025 | 5538 | 0.0% | 1513 | 27% |
| Mar-05 | 4235 | 3786 | 4200 | -0.8% | 415 | 10% |
| Apr-05 | 5865 | 5773 | 5872 | 0.1% | 99 | 2% |
| May-05 | 5539 | 5340 | 5538 | 0.0% | 198 | 4% |
| Jun-05 | 4984 | 4651 | 4990 | 0.1% | 338 | 7% |
| Jul-05 | 3942 | 3328 | 3947 | 0.1% | 618 | 16% |
| Aug-05 | 2767 | 1941 | 2770 | 0.1% | 829 | 30% |
| Sep-05 | 3176 | 2645 | 3178 | 0.1% | 533 | 17% |
| Oct-05 | 5819 | 5647 | 5828 | 0.2% | 181 | 3% |
| Nov-05 | 6432 | 6359 | 6423 | -0.1% | 65 | 1% |
| Dec-05 | 7059 | 6532 | 7064 | 0.1% | 532 | 8% |
| Total 2005 | 61096 | 55266 | 61103 | 0.0% | 5837 | 10% |

Table 9Table 7 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 6572 | 6286 | 6575 | 0.0% | 289 | 4% |
| Feb-06 | 5453 | 5254 | 5455 | 0.0% | 201 | 4% |
| Mar-06 | 6952 | 6124 | 6951 | 0.0% | 827 | 12% |
| Apr-06 | 5856 | 5961 | 5857 | 0.0% | -104 | -2% |
| May-06 | 6436 | 6405 | 6434 | 0.0% | 29 | 0% |
| Jun-06 | 6676 | 6112 | 6658 | -0.3% | 546 | 8% |
| Jul-06 | 5954 | 5943 | 5990 | 0.6% | 46 | 1% |
| Aug-06 | 4314 | 3468 | 4225 | -2.1% | 757 | 18% |
| Sep-06 | 2896 | 2311 | 2877 | -0.7% | 565 | 20% |
| Oct-06 | 5161 | 4834 | 5166 | 0.1% | 332 | 6% |
| Nov-06 | 6344 | 6330 | 6355 | 0.2% | 25 | 0% |
| Dec-06 | 7004 | 6934 | 7002 | 0.0% | 68 | 1% |
| Total 2006 | 69617 | 65962 | 69545 | -0.1% | 3583 | 5% |
| Jan-07 | 6671 | 6770 | 6675 | 0.1% | -95 | -1% |
| Feb-07 | 5637 | 4368 | 5624 | -0.2% | 1255 | 22% |
| Mar-07 | 6536 | 5602 | 6539 | 0.0% | 937 | 14% |
| Apr-07 | 5774 | 5803 | 5750 | -0.4% | -53 | -1% |
| May-07 | 5919 | 5886 | 5898 | -0.4% | 11 | 0% |
| Jun-07 | 2852 | 2250 | 2854 | 0.1% | 604 | 21% |
| Jul-07 | 2710 | 2171 | 2710 | 0.0% | 539 | 20% |
| Aug-07 | 2427 | 1566 | 2424 | -0.1% | 858 | 35% |
| Sep-07 | 2136 | 1444 | 2132 | -0.2% | 688 | 32% |
| Oct-07 | 2764 | 2707 | 2761 | -0.1% | 55 | 2% |
| Nov-07 | 4331 | 4536 | 4331 | 0.0% | -205 | -5% |
| Dec-07 | 5759 | 5160 | 5753 | -0.1% | 593 | 10% |
| Total 2007 | 53515 | 48263 | 53450 | -0.1% | 5187 | 10% |
| Jan-08 | 5855 | 5199 | 5847 | 0.1% | 648 | 21% |
| Feb-08 | 6326 | 5959 | 6339 | -0.2% | 380 | 17% |
| Mar-08 | 6280 | 6083 | 6284 | 0.0% | 200 | 6% |
| Apr-08 | 5504 | 5309 | 5514 | -0.4% | 205 | 4% |
| May-08 | 4842 | 4808 | 4834 | -0.4% | 27 | 3% |
| Jun-08 | 2750 | 2533 | 2755 | 0.1% | 221 | 16% |
| Jul-08 | 3614 | 3172 | 3615 | 0.0% | 443 | 33% |
| Aug-08 | 4638 | 4139 | 4638 | -0.1% | 499 | 43% |
| Sep-08 | 2664 | 2081 | 2662 | -0.2% | 581 | 56% |
| Oct-08 | 3463 | 2993 | 3461 | -0.1% | 468 | 34% |
| Nov-08 | 6205 | 5763 | 6207 | 0.0% | 444 | 30% |
| Dec-08 | 5397 | 5367 | 5391 | -0.1% | 23 | 1% |
| Total 2008 | 57537 | 53406 | 57545 | -0.1% | 4139 | 17% |

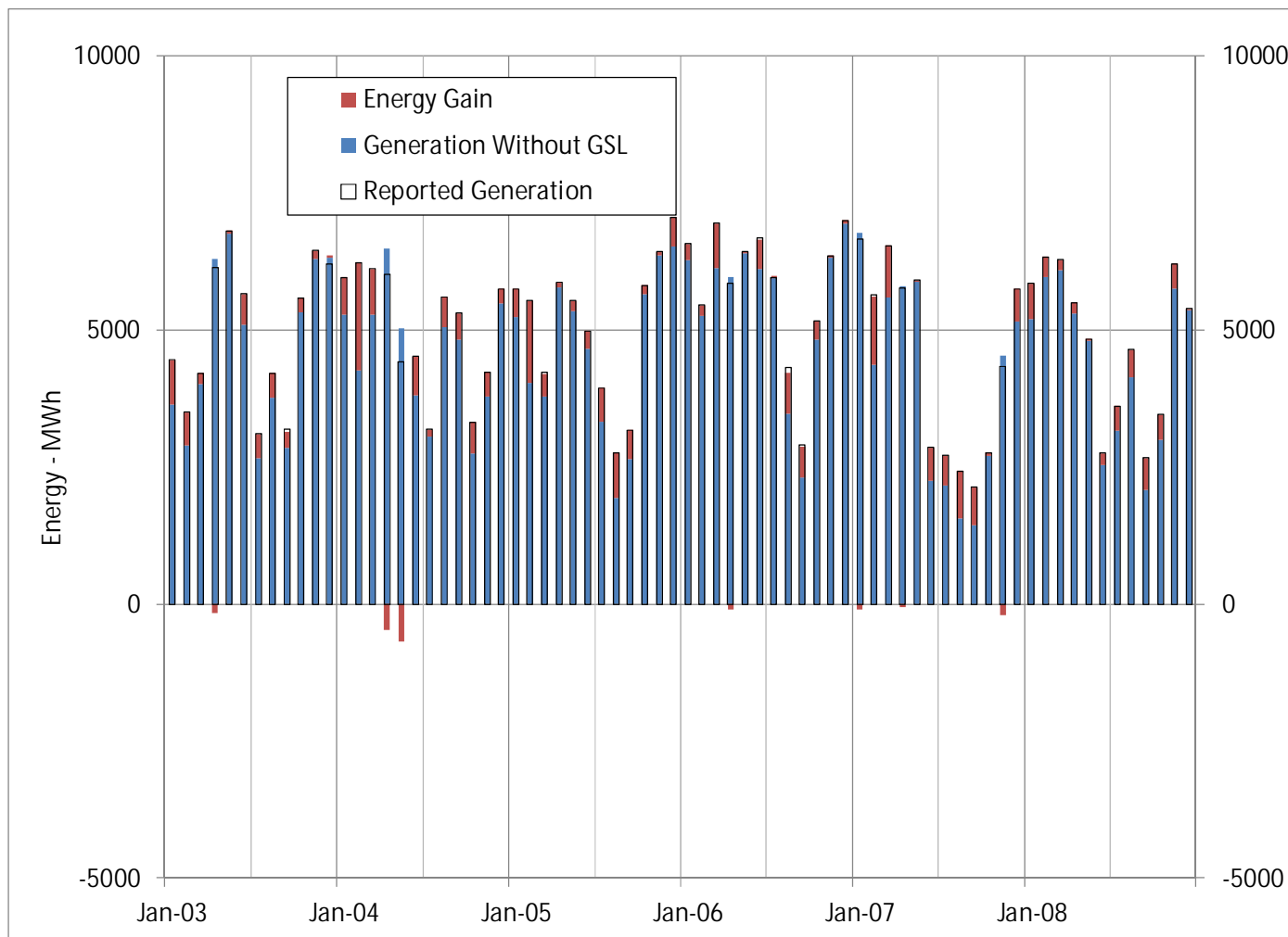


Figure 29. Monthly Generation and Energy Gains Plot for the Curtis Facility

Table 10. Generation and Energy Gains for the Palmer Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 18851 | 15345 | 18876 | 0.1% | 3531 | 19% |
| Feb-03 | 14888 | 12174 | 14886 | 0.0% | 2712 | 18% |
| Mar-03 | 20049 | 19935 | 20020 | -0.1% | 85 | 0% |
| Apr-03 | 31094 | 34234 | 31154 | 0.2% | -3080 | -10% |
| May-03 | 35192 | 34455 | 35149 | -0.1% | 694 | 2% |
| Jun-03 | 25220 | 22137 | 25191 | -0.1% | 3054 | 12% |
| Jul-03 | 13342 | 11265 | 13345 | 0.0% | 2081 | 16% |
| Aug-03 | 16668 | 14571 | 16696 | 0.2% | 2126 | 13% |
| Sep-03 | 13184 | 11872 | 13171 | -0.1% | 1298 | 10% |
| Oct-03 | 26025 | 25168 | 26095 | 0.3% | 927 | 4% |
| Nov-03 | 33085 | 33231 | 33064 | -0.1% | -167 | -1% |
| Dec-03 | 31979 | 31187 | 32056 | 0.2% | 869 | 3% |
| Total 2003 | 279576 | 265574 | 279704 | 0.0% | 14130 | 5% |
| Jan-04 | 32323 | 26129 | 32190 | -0.4% | 6061 | 19% |
| Feb-04 | 26764 | 17921 | 26811 | 0.2% | 8890 | 33% |
| Mar-04 | 26123 | 22804 | 26143 | 0.1% | 3339 | 13% |
| Apr-04 | 27646 | 32451 | 27491 | -0.6% | -4960 | -18% |
| May-04 | 20824 | 23840 | 20817 | 0.0% | -3023 | -15% |
| Jun-04 | 21508 | 17487 | 21482 | -0.1% | 3995 | 19% |
| Jul-04 | 15351 | 14678 | 15335 | -0.1% | 657 | 4% |
| Aug-04 | 17565 | 15785 | 17543 | -0.1% | 1758 | 10% |
| Sep-04 | 26049 | 23437 | 26087 | 0.1% | 2649 | 10% |
| Oct-04 | 14814 | 11794 | 14509 | -2.1% | 2715 | 19% |
| Nov-04 | 19392 | 17443 | 19347 | -0.2% | 1904 | 10% |
| Dec-04 | 28023 | 27722 | 28224 | 0.7% | 502 | 2% |
| Total 2004 | 276381 | 251490 | 275978 | -0.1% | 24488 | 9% |
| Jan-05 | 28188 | 24718 | 28137 | -0.2% | 3419 | 12% |
| Feb-05 | 23214 | 17042 | 23162 | -0.2% | 6120 | 26% |
| Mar-05 | 17850 | 16574 | 17777 | -0.4% | 1203 | 7% |
| Apr-05 | 30930 | 32408 | 30993 | 0.2% | -1415 | -5% |
| May-05 | 25810 | 24153 | 25738 | -0.3% | 1585 | 6% |
| Jun-05 | 22455 | 20802 | 22477 | 0.1% | 1676 | 7% |
| Jul-05 | 16055 | 13452 | 16057 | 0.0% | 2605 | 16% |
| Aug-05 | 11803 | 8061 | 11820 | 0.2% | 3759 | 32% |
| Sep-05 | 13922 | 11285 | 13598 | -2.3% | 2313 | 17% |
| Oct-05 | 28447 | 29457 | 28483 | 0.1% | -973 | -3% |
| Nov-05 | 34412 | 34088 | 34402 | 0.0% | 314 | 1% |
| Dec-05 | 35018 | 30823 | 35079 | 0.2% | 4256 | 12% |
| Total 2005 | 288103 | 262862 | 287723 | -0.1% | 24861 | 9% |

Table 10 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 32613 | 31138 | 32782 | 0.5% | 1644 | 5% |
| Feb-06 | 30757 | 27979 | 30724 | -0.1% | 2745 | 9% |
| Mar-06 | 31331 | 26958 | 31316 | 0.0% | 4358 | 14% |
| Apr-06 | 28191 | 29584 | 28145 | -0.2% | -1439 | -5% |
| May-06 | 33692 | 32157 | 33635 | -0.2% | 1478 | 4% |
| Jun-06 | 33388 | 30534 | 33381 | 0.0% | 2847 | 9% |
| Jul-06 | 36136 | 33179 | 36062 | -0.2% | 2883 | 8% |
| Aug-06 | 15156 | 11646 | 15058 | -0.6% | 3412 | 23% |
| Sep-06 | 11768 | 9287 | 11772 | 0.0% | 2485 | 21% |
| Oct-06 | 24426 | 24334 | 24449 | 0.1% | 115 | 0% |
| Nov-06 | 35153 | 34664 | 35142 | 0.0% | 478 | 1% |
| Dec-06 | 36537 | 34601 | 36514 | -0.1% | 1913 | 5% |
| Total 2006 | 349148 | 326061 | 348980 | 0.0% | 22919 | 7% |
| Jan-07 | 36979 | 35322 | 36861 | -0.3% | 1539 | 4% |
| Feb-07 | 26345 | 19332 | 26357 | 0.0% | 7025 | 27% |
| Mar-07 | 29693 | 26492 | 29693 | 0.0% | 3201 | 11% |
| Apr-07 | 31879 | 34120 | 31679 | -0.6% | -2441 | -8% |
| May-07 | 30507 | 29077 | 30469 | -0.1% | 1392 | 5% |
| Jun-07 | 11026 | 8522 | 11038 | 0.1% | 2516 | 23% |
| Jul-07 | 11552 | 9062 | 11507 | -0.4% | 2445 | 21% |
| Aug-07 | 10346 | 6575 | 10345 | 0.0% | 3771 | 36% |
| Sep-07 | 9034 | 6087 | 8996 | -0.4% | 2909 | 32% |
| Oct-07 | 12016 | 11940 | 11996 | -0.2% | 56 | 0% |
| Nov-07 | 20593 | 21598 | 20642 | 0.2% | -957 | -5% |
| Dec-07 | 25603 | 23173 | 25605 | 0.0% | 2432 | 9% |
| Total 2007 | 255574 | 231299 | 255186 | -0.2% | 23887 | 9% |
| Jan-08 | 28076 | 25255 | 27873 | -0.7% | 2618 | 9% |
| Feb-08 | 28952 | 27167 | 28909 | -0.1% | 1742 | 6% |
| Mar-08 | 32449 | 32553 | 32487 | 0.1% | -66 | 0% |
| Apr-08 | 35456 | 35419 | 35514 | 0.2% | 95 | 0% |
| May-08 | 24485 | 23465 | 24208 | -1.1% | 743 | 3% |
| Jun-08 | 11636 | 10593 | 11623 | -0.1% | 1030 | 9% |
| Jul-08 | 14808 | 13031 | 14819 | 0.1% | 1789 | 12% |
| Aug-08 | 17913 | 15920 | 17895 | -0.1% | 1975 | 11% |
| Sep-08 | 6996 | 5316 | 7018 | 0.3% | 1702 | 24% |
| Oct-08 | 12999 | 11340 | 12977 | -0.2% | 1637 | 13% |
| Nov-08 | 28916 | 25749 | 28958 | 0.1% | 3209 | 11% |
| Dec-08 | 28557 | 28813 | 28642 | 0.3% | -171 | -1% |
| Total 2008 | 271242 | 254620 | 270923 | -0.1% | 16302 | 6% |

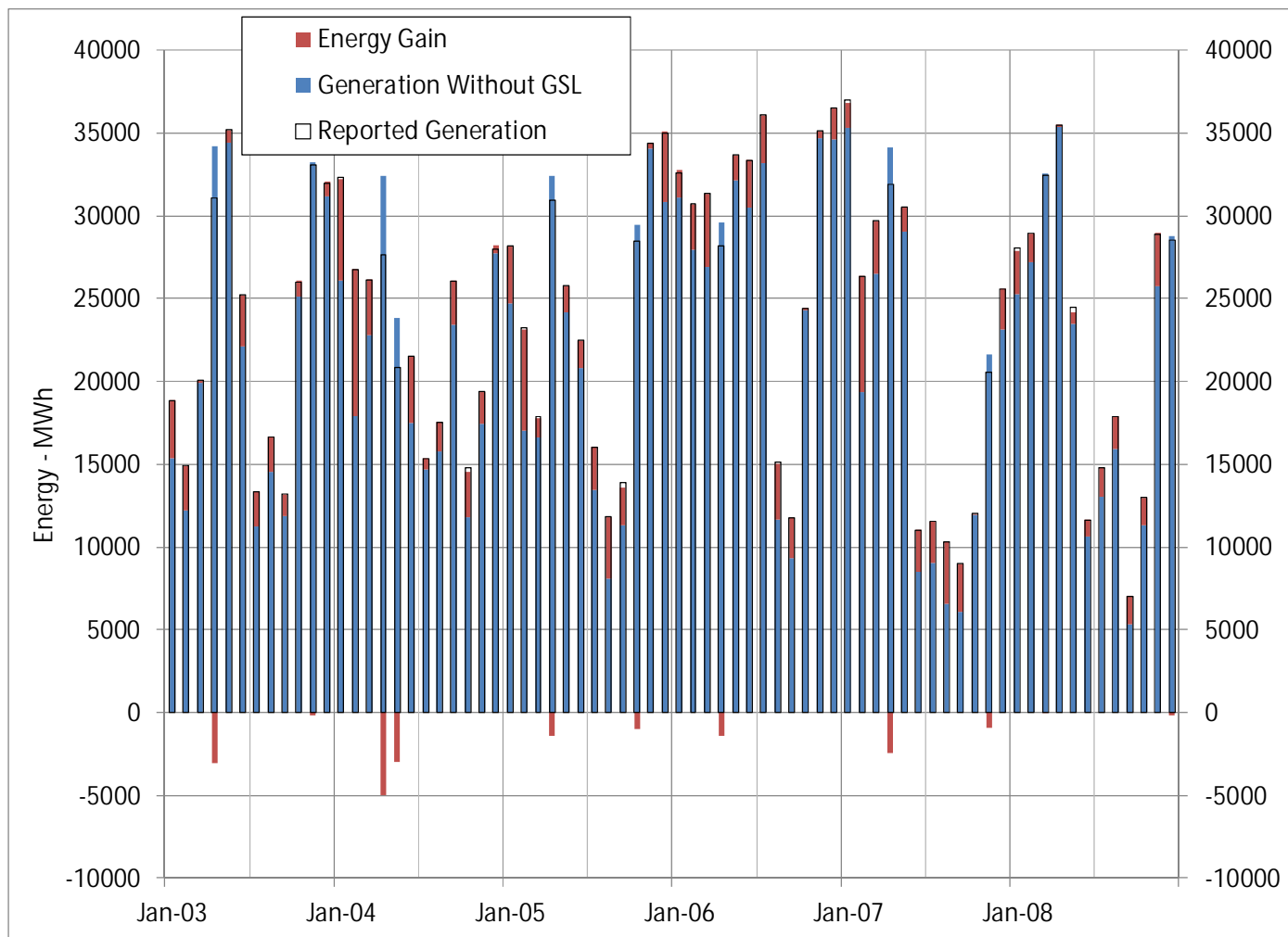


Figure 30. Monthly Generation and Energy Gains Plot for the Palmer Facility

Table 11. Generation and Energy Gains for the Spier Falls Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 16010 | 12842 | 15939 | -0.4% | 3097 | 19% |
| Feb-03 | 12445 | 10076 | 12435 | -0.1% | 2360 | 19% |
| Mar-03 | 20485 | 20856 | 20517 | 0.2% | -339 | -2% |
| Apr-03 | 30410 | 34319 | 30450 | 0.1% | -3870 | -13% |
| May-03 | 33818 | 32920 | 33837 | 0.1% | 917 | 3% |
| Jun-03 | 22645 | 20106 | 22583 | -0.3% | 2476 | 11% |
| Jul-03 | 10945 | 9400 | 10924 | -0.2% | 1524 | 14% |
| Aug-03 | 15428 | 13736 | 15413 | -0.1% | 1677 | 11% |
| Sep-03 | 11094 | 10345 | 11066 | -0.2% | 721 | 7% |
| Oct-03 | 24010 | 23168 | 24073 | 0.3% | 905 | 4% |
| Nov-03 | 31402 | 33001 | 31326 | -0.2% | -1675 | -5% |
| Dec-03 | 35860 | 34974 | 35794 | -0.2% | 820 | 2% |
| Total 2003 | 264552 | 255744 | 264356 | -0.1% | 8612 | 3% |
| Jan-04 | 33307 | 27035 | 33371 | 0.2% | 6335 | 19% |
| Feb-04 | 23403 | 15342 | 23361 | -0.2% | 8019 | 34% |
| Mar-04 | 24657 | 22162 | 24632 | -0.1% | 2470 | 10% |
| Apr-04 | 25186 | 30211 | 25123 | -0.3% | -5087 | -20% |
| May-04 | 17654 | 20178 | 17660 | 0.0% | -2517 | -14% |
| Jun-04 | 18288 | 14940 | 18313 | 0.1% | 3373 | 18% |
| Jul-04 | 13560 | 13133 | 13572 | 0.1% | 439 | 3% |
| Aug-04 | 15514 | 14234 | 15433 | -0.5% | 1199 | 8% |
| Sep-04 | 6693 | 6360 | 6360 | -5.0% | 0 | 0% |
| Oct-04 | 6698 | 6438 | 6572 | -1.9% | 134 | 2% |
| Nov-04 | 5829 | 5844 | 6106 | 4.8% | 262 | 4% |
| Dec-04 | 6520 | 6708 | 6660 | 2.1% | -48 | -1% |
| Total 2004 | 197309 | 182584 | 197164 | -0.1% | 14580 | 7% |
| Jan-05 | 23018 | 20204 | 22946 | -0.3% | 2743 | 12% |
| Feb-05 | 18778 | 13596 | 18751 | -0.1% | 5156 | 27% |
| Mar-05 | 14435 | 13411 | 14332 | -0.7% | 921 | 6% |
| Apr-05 | 30956 | 32639 | 31021 | 0.2% | -1617 | -5% |
| May-05 | 24107 | 22130 | 24117 | 0.0% | 1986 | 8% |
| Jun-05 | 22205 | 20705 | 22187 | -0.1% | 1481 | 7% |
| Jul-05 | 14114 | 11814 | 14151 | 0.3% | 2337 | 17% |
| Aug-05 | 9744 | 6808 | 9745 | 0.0% | 2937 | 30% |
| Sep-05 | 11188 | 9396 | 11153 | -0.3% | 1757 | 16% |
| Oct-05 | 26273 | 28758 | 26319 | 0.2% | -2439 | -9% |
| Nov-05 | 33351 | 33324 | 33427 | 0.2% | 103 | 0% |
| Dec-05 | 32466 | 28442 | 32504 | 0.1% | 4062 | 12% |
| Total 2005 | 260634 | 241226 | 260652 | 0.0% | 19427 | 7% |

Table 11 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 33187 | 32148 | 33226 | 0.1% | 1078 | 3% |
| Feb-06 | 30555 | 27914 | 30529 | -0.1% | 2615 | 9% |
| Mar-06 | 27184 | 23717 | 27118 | -0.2% | 3400 | 13% |
| Apr-06 | 26264 | 27960 | 26342 | 0.3% | -1619 | -6% |
| May-06 | 32525 | 31045 | 32603 | 0.2% | 1558 | 5% |
| Jun-06 | 28824 | 26196 | 28745 | -0.3% | 2549 | 9% |
| Jul-06 | 33502 | 30391 | 33360 | -0.4% | 2969 | 9% |
| Aug-06 | 16626 | 12810 | 16541 | -0.5% | 3731 | 23% |
| Sep-06 | 10039 | 8074 | 10071 | 0.3% | 1996 | 20% |
| Oct-06 | 22149 | 22106 | 22174 | 0.1% | 68 | 0% |
| Nov-06 | 34574 | 33847 | 34557 | 0.0% | 711 | 2% |
| Dec-06 | 34659 | 32807 | 34711 | 0.2% | 1904 | 5% |
| Total 2006 | 330087 | 309016 | 329977 | 0.0% | 20961 | 6% |
| Jan-07 | 38444 | 35643 | 38637 | 0.5% | 2994 | 8% |
| Feb-07 | 23536 | 16636 | 23473 | -0.3% | 6837 | 29% |
| Mar-07 | 26066 | 23696 | 26008 | -0.2% | 2312 | 9% |
| Apr-07 | 30061 | 33013 | 30079 | 0.1% | -2934 | -10% |
| May-07 | 29059 | 27228 | 28990 | -0.2% | 1762 | 6% |
| Jun-07 | 9962 | 7824 | 9944 | -0.2% | 2121 | 21% |
| Jul-07 | 9624 | 7718 | 9636 | 0.1% | 1918 | 20% |
| Aug-07 | 8656 | 5604 | 8666 | 0.1% | 3062 | 35% |
| Sep-07 | 7403 | 5028 | 7380 | -0.3% | 2352 | 32% |
| Oct-07 | 9368 | 9530 | 9369 | 0.0% | -162 | -2% |
| Nov-07 | 18189 | 19343 | 18238 | 0.3% | -1105 | -6% |
| Dec-07 | 22289 | 20058 | 22315 | 0.1% | 2257 | 10% |
| Total 2007 | 232656 | 211320 | 232732 | 0.0% | 21413 | 9% |
| Jan-08 | 29434 | 27264 | 29406 | -0.1% | 2142 | 7% |
| Feb-08 | 26614 | 25518 | 26553 | -0.2% | 1034 | 4% |
| Mar-08 | 32157 | 33475 | 32170 | 0.0% | -1305 | -4% |
| Apr-08 | 34555 | 34845 | 34628 | 0.2% | -216 | -1% |
| May-08 | 21656 | 21129 | 21735 | 0.4% | 606 | 3% |
| Jun-08 | 10062 | 9287 | 10033 | -0.3% | 746 | 7% |
| Jul-08 | 16608 | 15629 | 16645 | 0.2% | 1016 | 6% |
| Aug-08 | 21003 | 18841 | 21008 | 0.0% | 2168 | 10% |
| Sep-08 | 9095 | 7160 | 9139 | 0.5% | 1979 | 22% |
| Oct-08 | 12319 | 11768 | 12325 | 0.1% | 557 | 5% |
| Nov-08 | 22745 | 20111 | 22755 | 0.0% | 2645 | 12% |
| Dec-08 | 22869 | 23306 | 22849 | -0.1% | -457 | -2% |
| Total 2008 | 259116 | 248333 | 259247 | 0.1% | 10914 | 4% |

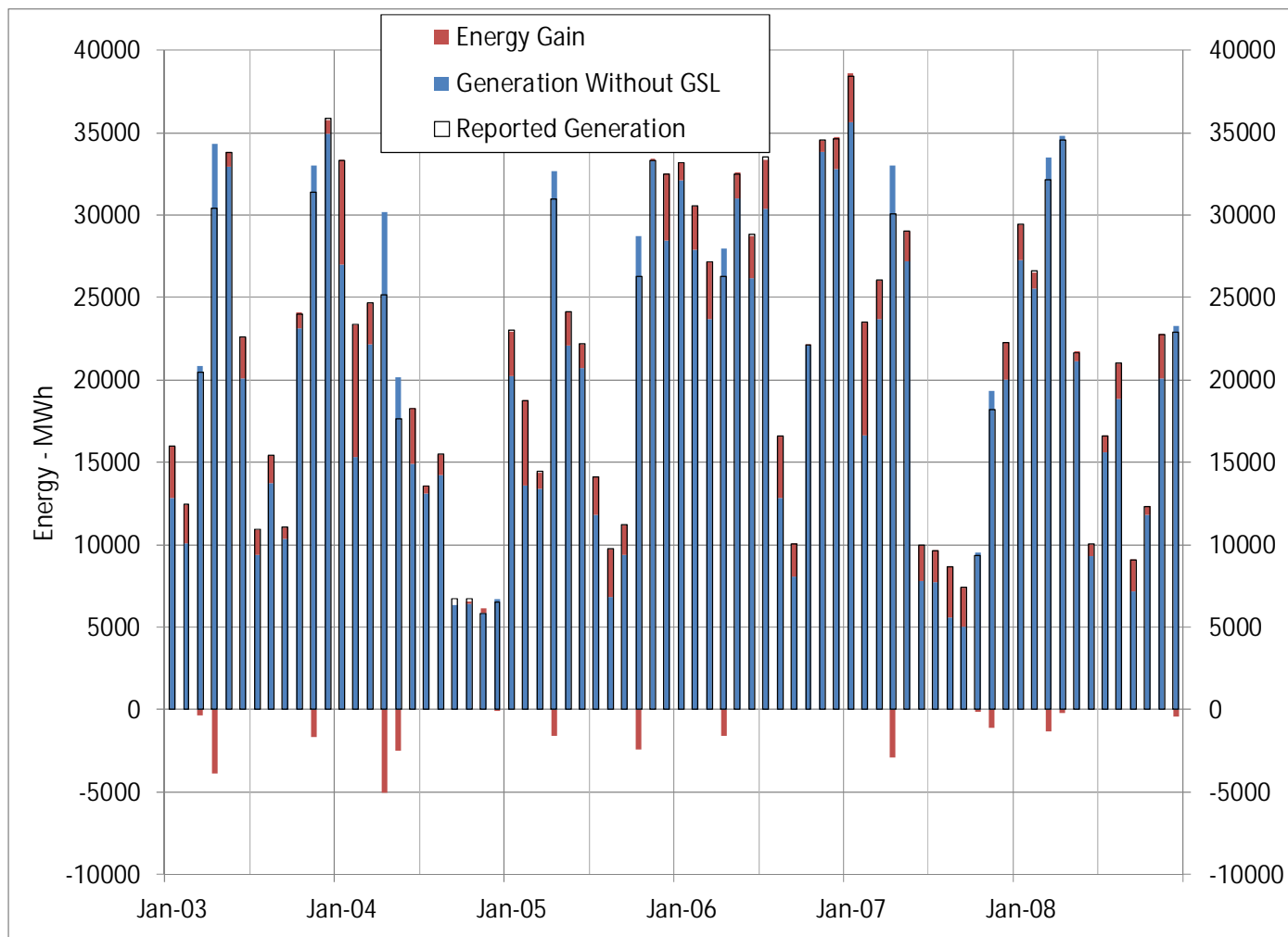


Figure 31. Monthly Generation and Energy Gains Plot for the Spier Falls Facility

Table 12. Generation and Energy Gains for the Sherman Island Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 12815 | 10260 | 12721 | -0.7% | 2461 | 38% |
| Feb-03 | 9681 | 7878 | 9692 | 0.1% | 1815 | 37% |
| Mar-03 | 13402 | 13167 | 13391 | -0.1% | 224 | 5% |
| Apr-03 | 17689 | 19086 | 17736 | 0.3% | -1350 | -10% |
| May-03 | 15095 | 14475 | 14778 | -2.1% | 304 | 6% |
| Jun-03 | 14368 | 12552 | 14417 | 0.3% | 1865 | 27% |
| Jul-03 | 8373 | 7111 | 8366 | -0.1% | 1255 | 28% |
| Aug-03 | 11447 | 10079 | 11445 | 0.0% | 1366 | 23% |
| Sep-03 | 9183 | 8155 | 9106 | -0.8% | 952 | 21% |
| Oct-03 | 14147 | 13428 | 14131 | -0.1% | 703 | 10% |
| Nov-03 | 15044 | 14891 | 15061 | 0.1% | 171 | 3% |
| Dec-03 | 15491 | 15285 | 15505 | 0.1% | 219 | 6% |
| Total 2003 | 156736 | 146366 | 156351 | -0.2% | 9984 | 14% |
| Jan-04 | 18447 | 14957 | 18393 | -0.3% | 3436 | 41% |
| Feb-04 | 15568 | 10134 | 15485 | -0.5% | 5351 | 69% |
| Mar-04 | 16073 | 13910 | 16038 | -0.2% | 2128 | 27% |
| Apr-04 | 16377 | 18841 | 16472 | 0.6% | -2370 | -19% |
| May-04 | 11658 | 13524 | 11681 | 0.2% | -1843 | -31% |
| Jun-04 | 12846 | 10470 | 12854 | 0.1% | 2384 | 38% |
| Jul-04 | 9572 | 9202 | 9592 | 0.2% | 390 | 9% |
| Aug-04 | 14262 | 12714 | 14254 | -0.1% | 1540 | 22% |
| Sep-04 | 16090 | 14334 | 16047 | -0.3% | 1714 | 23% |
| Oct-04 | 8268 | 6653 | 8285 | 0.2% | 1633 | 38% |
| Nov-04 | 10226 | 9102 | 10276 | 0.5% | 1174 | 22% |
| Dec-04 | 20641 | 19753 | 20679 | 0.2% | 926 | 10% |
| Total 2004 | 170026 | 153594 | 170056 | 0.0% | 16462 | 21% |
| Jan-05 | 21370 | 18853 | 21374 | 0.0% | 2522 | 26% |
| Feb-05 | 14914 | 10801 | 14895 | -0.1% | 4094 | 55% |
| Mar-05 | 11419 | 10207 | 11227 | -1.7% | 1020 | 25% |
| Apr-05 | 18873 | 19644 | 18944 | 0.4% | -701 | -6% |
| May-05 | 15734 | 14973 | 15799 | 0.4% | 826 | 14% |
| Jun-05 | 14679 | 13535 | 14644 | -0.2% | 1109 | 17% |
| Jul-05 | 11142 | 9266 | 11119 | -0.2% | 1852 | 32% |
| Aug-05 | 7759 | 5268 | 7765 | 0.1% | 2497 | 62% |
| Sep-05 | 8544 | 7056 | 8570 | 0.3% | 1515 | 34% |
| Oct-05 | 18052 | 18036 | 17974 | -0.4% | -62 | 1% |
| Nov-05 | 20997 | 20892 | 21017 | 0.1% | 125 | 4% |
| Dec-05 | 21918 | 19395 | 21854 | -0.3% | 2459 | 25% |
| Total 2005 | 185401 | 167926 | 185182 | -0.1% | 17256 | 20% |

Table 12 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 21787 | 20536 | 21744 | -0.2% | 1209 | 12% |
| Feb-06 | 18719 | 17356 | 18736 | 0.1% | 1380 | 19% |
| Mar-06 | 19404 | 16411 | 19351 | -0.3% | 2940 | 31% |
| Apr-06 | 16908 | 17486 | 16784 | -0.7% | -702 | -7% |
| May-06 | 19868 | 19321 | 19856 | -0.1% | 535 | 10% |
| Jun-06 | 20091 | 18349 | 20068 | -0.1% | 1720 | 19% |
| Jul-06 | 20398 | 19350 | 20471 | 0.4% | 1121 | 18% |
| Aug-06 | 10602 | 8287 | 10618 | 0.2% | 2332 | 46% |
| Sep-06 | 7413 | 5831 | 7418 | 0.1% | 1587 | 41% |
| Oct-06 | 4807 | 4634 | 4838 | 0.6% | 204 | 11% |
| Nov-06 | 4062 | 4151 | 4178 | 2.9% | 27 | 7% |
| Dec-06 | 11744 | 11358 | 11743 | 0.0% | 385 | 12% |
| Total 2006 | 175803 | 163068 | 175805 | 0.0% | 12737 | 17% |
| Jan-07 | 14558 | 14396 | 14585 | 0.2% | 189 | 18% |
| Feb-07 | 15836 | 11688 | 15789 | -0.3% | 4101 | 58% |
| Mar-07 | 18999 | 16686 | 19102 | 0.5% | 2416 | 26% |
| Apr-07 | 19985 | 21275 | 19974 | -0.1% | -1301 | -9% |
| May-07 | 18675 | 18181 | 18658 | -0.1% | 477 | 8% |
| Jun-07 | 6793 | 5192 | 6781 | -0.2% | 1589 | 45% |
| Jul-07 | 7281 | 5706 | 7257 | -0.3% | 1551 | 41% |
| Aug-07 | 6655 | 4191 | 6635 | -0.3% | 2445 | 72% |
| Sep-07 | 5617 | 3811 | 5592 | -0.4% | 1782 | 63% |
| Oct-07 | 7617 | 7632 | 7600 | -0.2% | -31 | 4% |
| Nov-07 | 13346 | 13939 | 13346 | 0.0% | -592 | -7% |
| Dec-07 | 17228 | 15435 | 17209 | -0.1% | 1774 | 23% |
| Total 2007 | 152588 | 138130 | 152529 | 0.0% | 14399 | 22% |
| Jan-08 | 20878 | 18639 | 20797 | -0.4% | 2158 | 21% |
| Feb-08 | 20080 | 18478 | 19968 | -0.6% | 1491 | 16% |
| Mar-08 | 21978 | 21664 | 21942 | -0.2% | 279 | 4% |
| Apr-08 | 19897 | 19774 | 19935 | 0.2% | 161 | 1% |
| May-08 | 13580 | 13085 | 13515 | -0.5% | 430 | 7% |
| Jun-08 | 6284 | 5702 | 6263 | -0.3% | 560 | 17% |
| Jul-08 | 11509 | 10161 | 11464 | -0.4% | 1302 | 23% |
| Aug-08 | 14728 | 13266 | 14815 | 0.6% | 1548 | 21% |
| Sep-08 | 6438 | 4897 | 6403 | -0.5% | 1506 | 45% |
| Oct-08 | 8609 | 7539 | 8635 | 0.3% | 1097 | 26% |
| Nov-08 | 15249 | 13654 | 15295 | 0.3% | 1641 | 23% |
| Dec-08 | 17653 | 17540 | 17721 | 0.4% | 181 | 3% |
| Total 2008 | 176881 | 164399 | 176753 | -0.1% | 12354 | 14% |

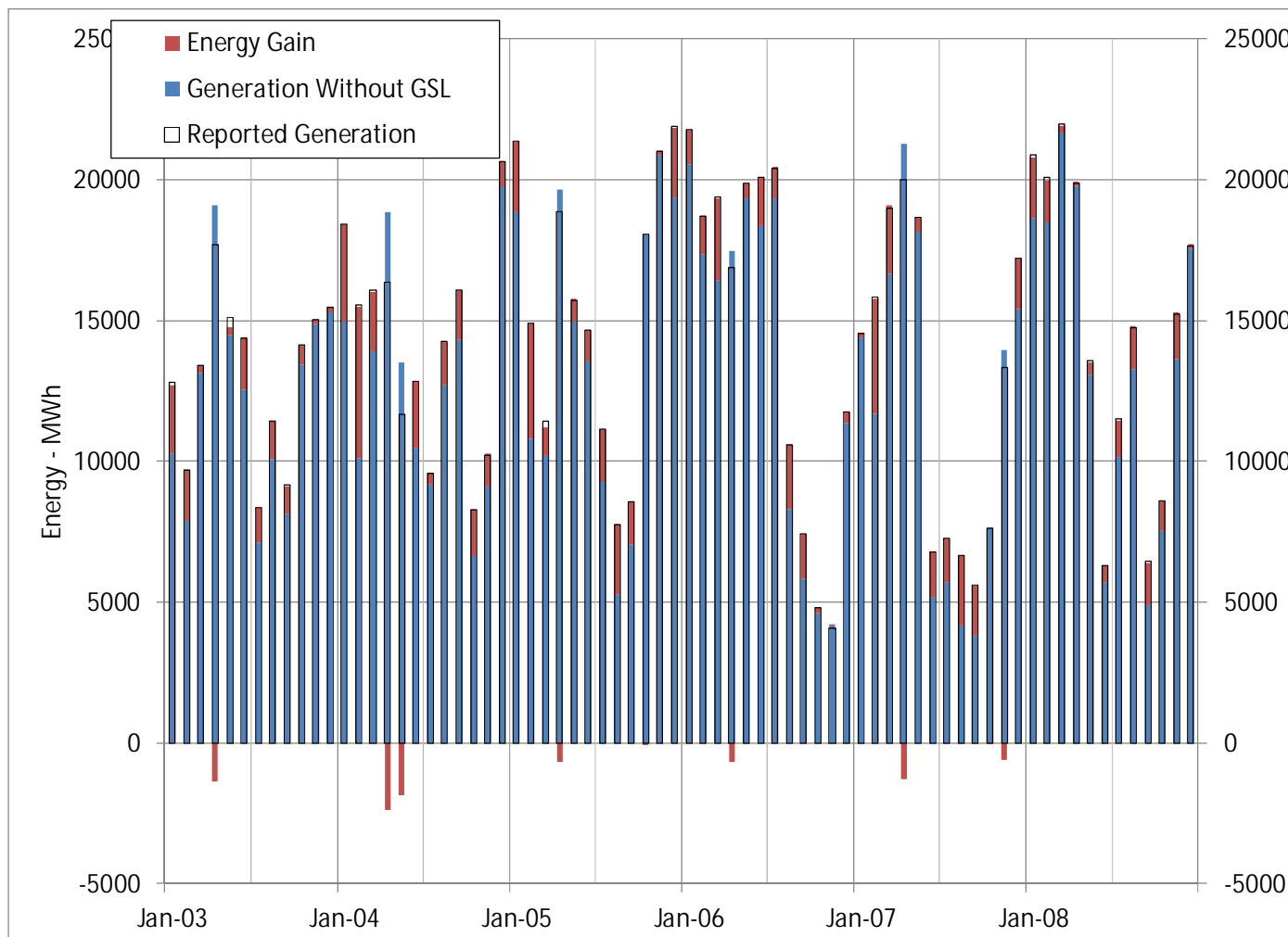


Figure 32. Monthly Generation and Energy Gains Plot for the Sherman Island Facility

Table 13. Generation and Energy Gains for the Feeder Dam Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 2447 | 2013 | 2442 | -0.2% | 429 | 18% |
| Feb-03 | 1969 | 1566 | 1969 | 0.0% | 403 | 20% |
| Mar-03 | 2294 | 2091 | 2294 | 0.0% | 202 | 9% |
| Apr-03 | 3095 | 3096 | 3093 | -0.1% | -3 | 0% |
| May-03 | 3321 | 3292 | 3316 | -0.2% | 24 | 1% |
| Jun-03 | 2659 | 2474 | 2670 | 0.4% | 196 | 7% |
| Jul-03 | 1431 | 1225 | 1436 | 0.3% | 211 | 15% |
| Aug-03 | 2027 | 1792 | 2027 | 0.0% | 236 | 12% |
| Sep-03 | 1231 | 1062 | 1238 | 0.5% | 175 | 14% |
| Oct-03 | 1868 | 1781 | 1862 | -0.3% | 81 | 4% |
| Nov-03 | 2482 | 2452 | 2478 | -0.2% | 27 | 1% |
| Dec-03 | 3385 | 3370 | 3387 | 0.1% | 16 | 0% |
| Total 2003 | 28208 | 26213 | 28212 | 0.0% | 1999 | 7% |
| Jan-04 | 3629 | 3475 | 3627 | -0.1% | 152 | 4% |
| Feb-04 | 3498 | 2719 | 3491 | -0.2% | 772 | 22% |
| Mar-04 | 3555 | 3190 | 3547 | -0.2% | 357 | 10% |
| Apr-04 | 3294 | 3338 | 3278 | -0.5% | -60 | -2% |
| May-04 | 2317 | 2655 | 2322 | 0.2% | -333 | -14% |
| Jun-04 | 2469 | 2130 | 2465 | -0.1% | 335 | 14% |
| Jul-04 | 1953 | 1818 | 1949 | -0.2% | 132 | 7% |
| Aug-04 | 2775 | 2537 | 2776 | 0.0% | 239 | 9% |
| Sep-04 | 3188 | 2912 | 3188 | 0.0% | 277 | 9% |
| Oct-04 | 1721 | 1371 | 1716 | -0.3% | 345 | 20% |
| Nov-04 | 679 | 615 | 675 | -0.7% | 60 | 9% |
| Dec-04 | 5 | 0 | 0 | | 0 | |
| Total 2004 | 29082 | 26759 | 29035 | -0.2% | 2276 | 8% |
| Jan-05 | 4 | 0 | 0 | | 0 | |
| Feb-05 | 1752 | 1431 | 1792 | 2.3% | 361 | 20% |
| Mar-05 | 2366 | 1947 | 2366 | 0.0% | 419 | 18% |
| Apr-05 | 3076 | 3008 | 3067 | -0.3% | 59 | 2% |
| May-05 | 2862 | 2727 | 2865 | 0.1% | 137 | 5% |
| Jun-05 | 2374 | 2208 | 2364 | -0.4% | 156 | 7% |
| Jul-05 | 1773 | 1469 | 1774 | 0.1% | 305 | 17% |
| Aug-05 | 1198 | 786 | 1199 | 0.1% | 413 | 34% |
| Sep-05 | 1574 | 1283 | 1564 | -0.6% | 281 | 18% |
| Oct-05 | 2850 | 2735 | 2845 | -0.2% | 110 | 4% |
| Nov-05 | 2432 | 2438 | 2451 | 0.8% | 13 | 1% |
| Dec-05 | 2715 | 2594 | 2708 | -0.3% | 114 | 4% |
| Total 2005 | 24974 | 22625 | 24995 | 0.1% | 2369 | 9% |

Table 13 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 3136 | 3059 | 3146 | 0.3% | 87 | 3% |
| Feb-06 | 3172 | 3112 | 3174 | 0.1% | 62 | 2% |
| Mar-06 | 3108 | 2816 | 3122 | 0.5% | 306 | 10% |
| Apr-06 | 2812 | 2832 | 2806 | -0.2% | -26 | -1% |
| May-06 | 3150 | 3122 | 3154 | 0.1% | 32 | 1% |
| Jun-06 | 3192 | 3030 | 3194 | 0.1% | 164 | 5% |
| Jul-06 | 3123 | 3114 | 3127 | 0.1% | 13 | 0% |
| Aug-06 | 1956 | 1622 | 1953 | -0.1% | 331 | 17% |
| Sep-06 | 1009 | 779 | 1011 | 0.2% | 232 | 23% |
| Oct-06 | 2267 | 2112 | 2276 | 0.4% | 164 | 7% |
| Nov-06 | 2761 | 2753 | 2756 | -0.2% | 4 | 0% |
| Dec-06 | 2977 | 2983 | 2989 | 0.4% | 6 | 0% |
| Total 2006 | 32662 | 31332 | 32707 | 0.1% | 1375 | 4% |
| Jan-07 | 2890 | 2919 | 2896 | 0.2% | -23 | -1% |
| Feb-07 | 2358 | 1953 | 2359 | 0.0% | 406 | 17% |
| Mar-07 | 2899 | 2597 | 2893 | -0.2% | 296 | 10% |
| Apr-07 | 2965 | 2993 | 2965 | 0.0% | -28 | -1% |
| May-07 | 2842 | 2816 | 2843 | 0.0% | 27 | 1% |
| Jun-07 | 1377 | 1060 | 1370 | -0.5% | 310 | 23% |
| Jul-07 | 981 | 756 | 981 | -0.1% | 225 | 23% |
| Aug-07 | 1054 | 680 | 1056 | 0.2% | 376 | 36% |
| Sep-07 | 1009 | 679 | 1008 | -0.1% | 329 | 33% |
| Oct-07 | 1397 | 1310 | 1388 | -0.6% | 78 | 6% |
| Nov-07 | 2246 | 2376 | 2239 | -0.3% | -137 | -6% |
| Dec-07 | 3020 | 2736 | 3019 | 0.0% | 283 | 9% |
| Total 2007 | 25039 | 22875 | 25015 | -0.1% | 2141 | 9% |
| Jan-08 | 3092 | 2882 | 3098 | 0.2% | 216 | 7% |
| Feb-08 | 3210 | 3105 | 3209 | -0.1% | 104 | 3% |
| Mar-08 | 2931 | 2841 | 2920 | -0.4% | 78 | 3% |
| Apr-08 | 2061 | 2057 | 2086 | 1.2% | 29 | 1% |
| May-08 | 2282 | 2268 | 2278 | -0.2% | 10 | 0% |
| Jun-08 | 1371 | 1259 | 1372 | 0.1% | 113 | 8% |
| Jul-08 | 1821 | 1618 | 1827 | 0.3% | 209 | 11% |
| Aug-08 | 2336 | 2087 | 2332 | -0.2% | 245 | 10% |
| Sep-08 | 1355 | 1023 | 1349 | -0.5% | 325 | 24% |
| Oct-08 | 1560 | 1325 | 1571 | 0.7% | 246 | 16% |
| Nov-08 | 3184 | 3053 | 3187 | 0.1% | 134 | 4% |
| Dec-08 | 2952 | 2934 | 2958 | 0.2% | 24 | 1% |
| Total 2008 | 28155 | 26453 | 28184 | 0.1% | 1731 | 6% |

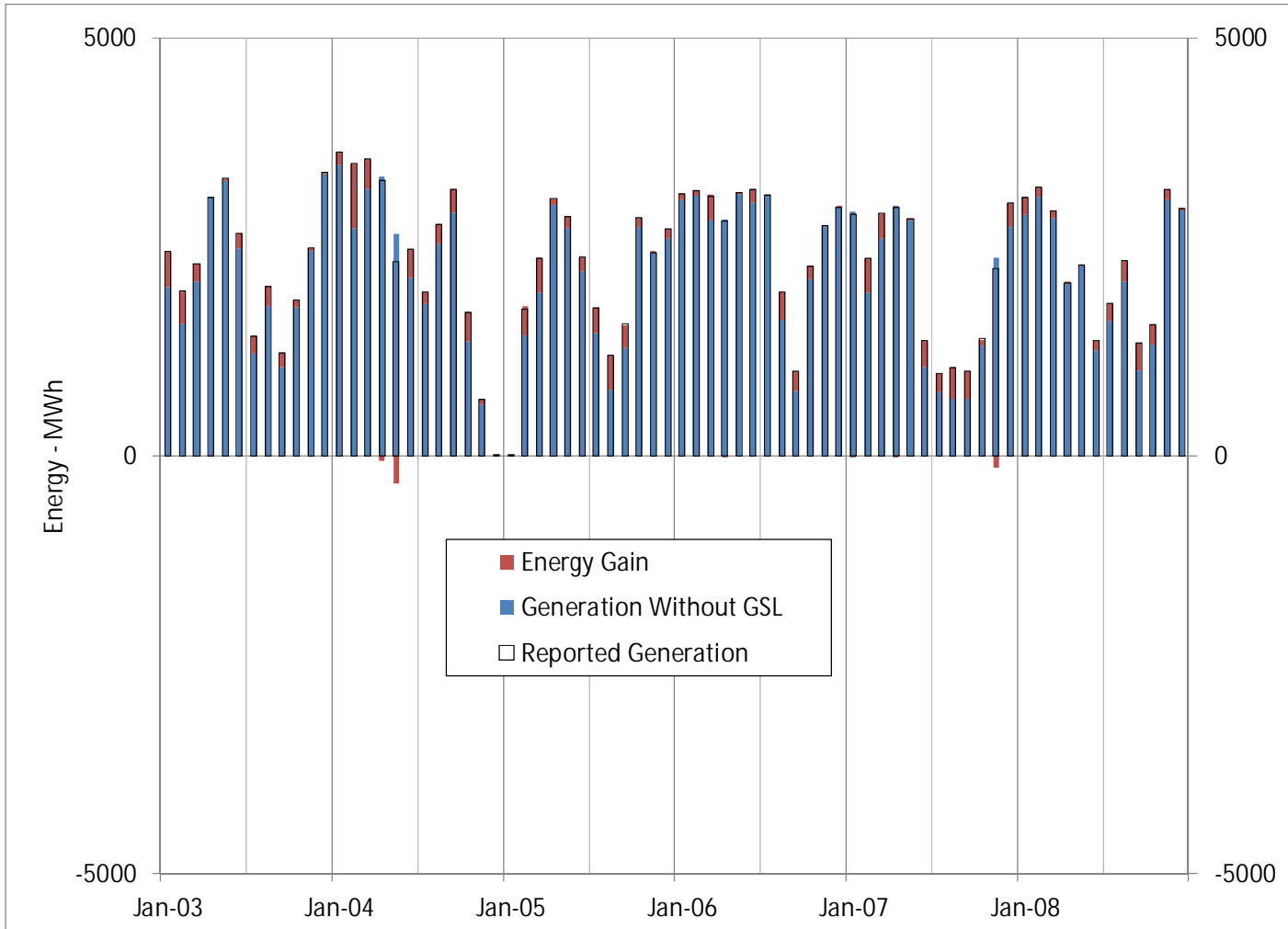


Figure 33. Monthly Generation and Energy Gains Plot for the Feeder Dam Facility

Table 14. Generation and Energy Gains for the Glens Falls Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|---------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 - | | 2985 | 4432 - | | 1448 | 33% |
| Feb-03 - | | 2369 | 3496 - | | 1127 | 32% |
| Mar-03 - | | 4938 | 5164 - | | 227 | 4% |
| Apr-03 - | | 8573 | 7566 - | | -1007 | -13% |
| May-03 - | | 7828 | 8347 - | | 519 | 6% |
| Jun-03 - | | 4431 | 5821 - | | 1390 | 24% |
| Jul-03 - | | 2283 | 3110 - | | 827 | 27% |
| Aug-03 - | | 3458 | 4309 - | | 851 | 20% |
| Sep-03 - | | 2580 | 3272 - | | 692 | 21% |
| Oct-03 - | | 5897 | 6238 - | | 341 | 5% |
| Nov-03 - | | 8207 | 8023 - | | -184 | -2% |
| Dec-03 - | | 7936 | 8704 - | | 768 | 9% |
| Total 2003 - | | 61484 | 68482 - | | 6998 | 10% |
| Jan-04 - | | 5223 | 8222 - | | 2999 | 36% |
| Feb-04 - | | 2351 | 6232 - | | 3881 | 62% |
| Mar-04 - | | 4819 | 6462 - | | 1643 | 25% |
| Apr-04 - | | 8498 | 6684 - | | -1814 | -27% |
| May-04 - | | 6407 | 5125 - | | -1283 | -25% |
| Jun-04 - | | 3209 | 5084 - | | 1875 | 37% |
| Jul-04 - | | 3355 | 3643 - | | 289 | 8% |
| Aug-04 - | | 4623 | 5690 - | | 1067 | 19% |
| Sep-04 - | | 5079 | 6254 - | | 1175 | 19% |
| Oct-04 - | | 2206 | 3307 - | | 1102 | 33% |
| Nov-04 - | | 3733 | 4563 - | | 830 | 18% |
| Dec-04 - | | 7925 | 8189 - | | 264 | 3% |
| Total 2004 - | | 57427 | 69455 - | | 12028 | 17% |
| Jan-05 - | | 6250 | 8007 - | | 1757 | 22% |
| Feb-05 - | | 2795 | 5308 - | | 2513 | 47% |
| Mar-05 - | | 3056 | 4239 - | | 1184 | 28% |
| Apr-05 - | | 8510 | 7708 - | | -802 | -10% |
| May-05 - | | 5229 | 6225 - | | 996 | 16% |
| Jun-05 - | | 4784 | 5542 - | | 758 | 14% |
| Jul-05 - | | 2611 | 3781 - | | 1170 | 31% |
| Aug-05 - | | 1010 | 2662 - | | 1652 | 62% |
| Sep-05 - | | 2127 | 3022 - | | 895 | 30% |
| Oct-05 - | | 7146 | 6778 - | | -368 | -5% |
| Nov-05 - | | 8039 | 8433 - | | 394 | 5% |
| Dec-05 - | | 5980 | 8102 - | | 2122 | 26% |
| Total 2005 - | | 57537 | 69808 - | | 12271 | 18% |

Table 14 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|---------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 - | | 7337 | 8107 - | | 770 | 9% |
| Feb-06 - | | 6032 | 7581 - | | 1549 | 20% |
| Mar-06 - | | 4991 | 7014 - | | 2023 | 29% |
| Apr-06 - | | 7258 | 6612 - | | -646 | -10% |
| May-06 - | | 6826 | 7938 - | | 1111 | 14% |
| Jun-06 - | | 6608 | 7929 - | | 1321 | 17% |
| Jul-06 - | | 6418 | 8441 - | | 2023 | 24% |
| Aug-06 - | | 2376 | 4297 - | | 1921 | 45% |
| Sep-06 - | | 1697 | 2756 - | | 1059 | 38% |
| Oct-06 - | | 6006 | 6136 - | | 129 | 2% |
| Nov-06 - | | 7940 | 8557 - | | 617 | 7% |
| Dec-06 - | | 7199 | 8603 - | | 1404 | 16% |
| Total 2006 - | | 70688 | 83970 - | | 13282 | 16% |
| Jan-07 - | | 7066 | 8990 - | | 1924 | 21% |
| Feb-07 - | | 2554 | 6151 - | | 3597 | 58% |
| Mar-07 - | | 5302 | 6877 - | | 1575 | 23% |
| Apr-07 - | | 8626 | 7605 - | | -1021 | -13% |
| May-07 - | | 6033 | 7197 - | | 1164 | 16% |
| Jun-07 - | | 1604 | 2678 - | | 1073 | 40% |
| Jul-07 - | | 1642 | 2675 - | | 1032 | 39% |
| Aug-07 - | | 778 | 2396 - | | 1618 | 68% |
| Sep-07 - | | 722 | 2038 - | | 1316 | 65% |
| Oct-07 - | | 2590 | 2785 - | | 195 | 7% |
| Nov-07 - | | 5225 | 4814 - | | -411 | -9% |
| Dec-07 - | | 4818 | 5963 - | | 1145 | 19% |
| Total 2007 - | | 46962 | 60168 - | | 13205 | 22% |
| Jan-08 - | | 6067 | 7102 - | | 1035 | 15% |
| Feb-08 - | | 5959 | 6739 - | | 781 | 12% |
| Mar-08 - | | 8001 | 8078 - | | 77 | 1% |
| Apr-08 - | | 8719 | 8738 - | | 19 | 0% |
| May-08 - | | 5074 | 5626 - | | 552 | 10% |
| Jun-08 - | | 2356 | 2745 - | | 389 | 14% |
| Jul-08 - | | 3717 | 4390 - | | 674 | 15% |
| Aug-08 - | | 4610 | 5712 - | | 1102 | 19% |
| Sep-08 - | | 1636 | 2739 - | | 1103 | 40% |
| Oct-08 - | | 3023 | 3747 - | | 724 | 19% |
| Nov-08 - | | 5388 | 6766 - | | 1378 | 20% |
| Dec-08 - | | 7065 | 7156 - | | 90 | 1% |
| Total 2008 - | | 61615 | 69538 - | | 7923 | 11% |

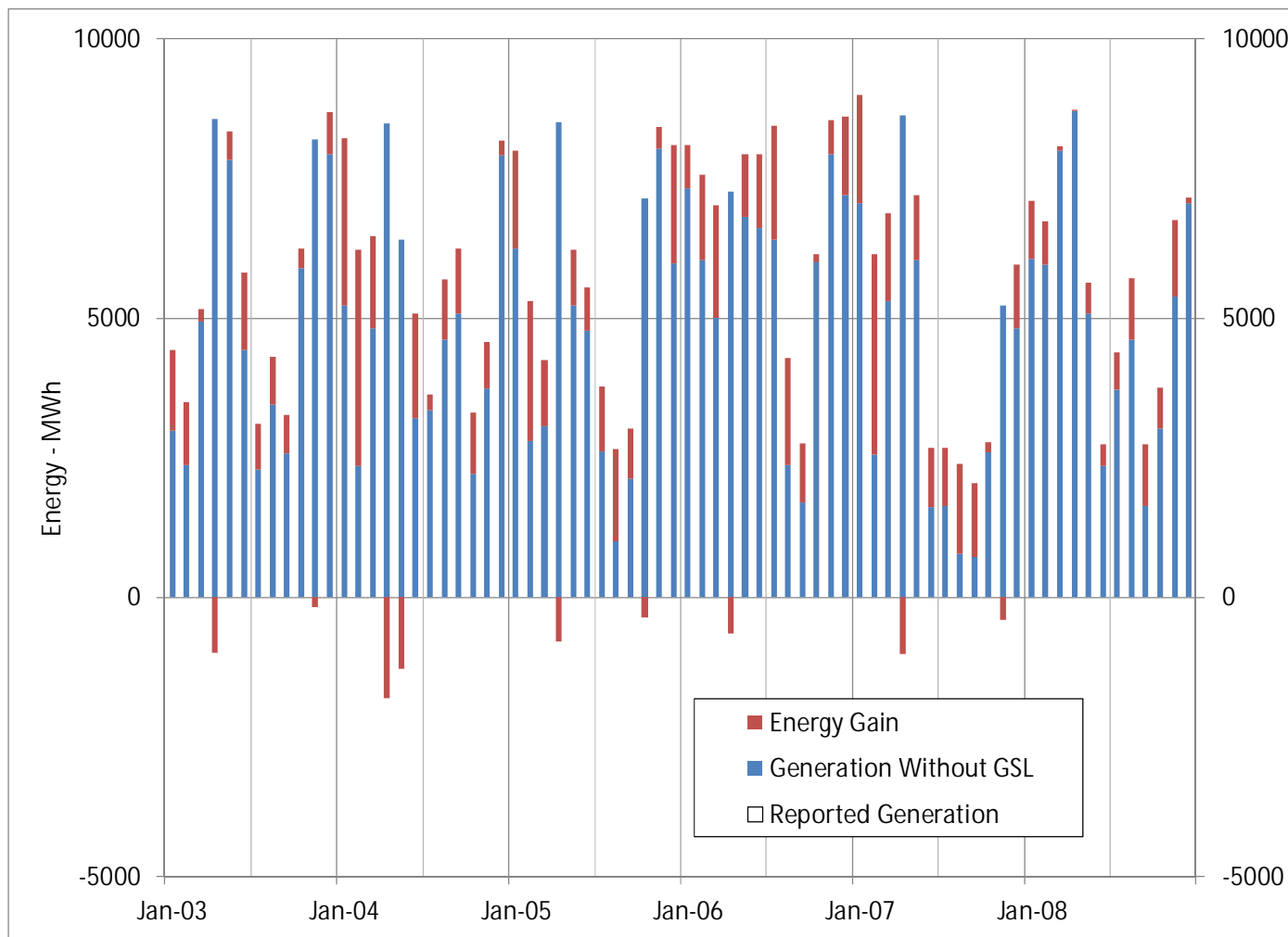


Figure 34. Monthly Generation and Energy Gains Plot for the Glens Falls Facility

Table 15. Generation and Energy Gains for the South Glens Falls Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 5215 | 3470 | 5208 | -0.1% | 1739 | 33% |
| Feb-03 | 4071 | 2761 | 4078 | 0.2% | 1317 | 32% |
| Mar-03 | 5999 | 5131 | 5988 | -0.2% | 857 | 14% |
| Apr-03 | 8673 | 9011 | 8686 | 0.1% | -325 | -4% |
| May-03 | 9598 | 9136 | 9612 | 0.1% | 476 | 5% |
| Jun-03 | 6614 | 4955 | 6638 | 0.4% | 1684 | 25% |
| Jul-03 | 3541 | 2541 | 3473 | -1.9% | 932 | 27% |
| Aug-03 | 4834 | 3894 | 4831 | -0.1% | 937 | 19% |
| Sep-03 | 3734 | 2915 | 3734 | 0.0% | 819 | 22% |
| Oct-03 | 6970 | 6388 | 6978 | 0.1% | 590 | 8% |
| Nov-03 | 8916 | 8606 | 8903 | -0.1% | 297 | 3% |
| Dec-03 | 9735 | 8876 | 9740 | 0.0% | 864 | 9% |
| Total 2003 | 77901 | 67683 | 77869 | 0.0% | 10186 | 13% |
| Jan-04 | 9487 | 6130 | 9466 | -0.2% | 3336 | 35% |
| Feb-04 | 7173 | 2619 | 7199 | 0.4% | 4580 | 64% |
| Mar-04 | 7367 | 5245 | 7383 | 0.2% | 2138 | 29% |
| Apr-04 | 7459 | 8428 | 7461 | 0.0% | -967 | -13% |
| May-04 | 5686 | 6979 | 5688 | 0.0% | -1291 | -23% |
| Jun-04 | 5782 | 3789 | 5788 | 0.1% | 1999 | 35% |
| Jul-04 | 3978 | 3636 | 3989 | 0.3% | 353 | 9% |
| Aug-04 | 5901 | 4562 | 5894 | -0.1% | 1331 | 23% |
| Sep-04 | 7274 | 5678 | 7304 | 0.4% | 1625 | 22% |
| Oct-04 | 3714 | 2484 | 3728 | 0.4% | 1244 | 33% |
| Nov-04 | 5071 | 4057 | 5073 | 0.0% | 1017 | 20% |
| Dec-04 | 9436 | 8550 | 9410 | -0.3% | 860 | 9% |
| Total 2004 | 78328 | 62156 | 78381 | 0.1% | 16225 | 21% |
| Jan-05 | 8867 | 6991 | 8868 | 0.0% | 1877 | 21% |
| Feb-05 | 6282 | 3213 | 6270 | -0.2% | 3057 | 49% |
| Mar-05 | 4942 | 3463 | 4942 | 0.0% | 1479 | 30% |
| Apr-05 | 8762 | 8546 | 8758 | 0.0% | 213 | 2% |
| May-05 | 7396 | 6293 | 7408 | 0.2% | 1115 | 15% |
| Jun-05 | 6702 | 5593 | 6713 | 0.2% | 1119 | 17% |
| Jul-05 | 4621 | 3182 | 4614 | -0.2% | 1432 | 31% |
| Aug-05 | 3271 | 1241 | 3267 | -0.1% | 2025 | 62% |
| Sep-05 | 3682 | 2578 | 3689 | 0.2% | 1111 | 30% |
| Oct-05 | 8424 | 8155 | 8424 | 0.0% | 269 | 3% |
| Nov-05 | 9751 | 9177 | 9767 | 0.2% | 591 | 6% |
| Dec-05 | 9586 | 7035 | 9586 | 0.0% | 2550 | 27% |
| Total 2005 | 82287 | 65466 | 82304 | 0.0% | 16838 | 20% |

Table 15 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 9599 | 8269 | 9597 | 0.0% | 1328 | 14% |
| Feb-06 | 8859 | 7044 | 8850 | -0.1% | 1806 | 20% |
| Mar-06 | 8512 | 5704 | 8515 | 0.0% | 2811 | 33% |
| Apr-06 | 7824 | 8204 | 7833 | 0.1% | -371 | -5% |
| May-06 | 9294 | 8083 | 9307 | 0.1% | 1224 | 13% |
| Jun-06 | 9010 | 7122 | 9020 | 0.1% | 1898 | 21% |
| Jul-06 | 9819 | 7522 | 9793 | -0.3% | 2271 | 23% |
| Aug-06 | 5373 | 2951 | 5293 | -1.5% | 2342 | 44% |
| Sep-06 | 4028 | 2332 | 3750 | -6.9% | 1418 | 38% |
| Oct-06 | 6904 | 6228 | 6932 | 0.4% | 705 | 10% |
| Nov-06 | 9616 | 9002 | 9630 | 0.1% | 628 | 7% |
| Dec-06 | 9861 | 8463 | 9894 | 0.3% | 1432 | 14% |
| Total 2006 | 98698 | 80925 | 98415 | -0.3% | 17490 | 18% |
| Jan-07 | 10344 | 8364 | 10311 | -0.3% | 1947 | 19% |
| Feb-07 | 7023 | 2920 | 7047 | 0.3% | 4127 | 59% |
| Mar-07 | 7610 | 5683 | 7606 | -0.1% | 1923 | 25% |
| Apr-07 | 8474 | 8505 | 8454 | -0.2% | -52 | -1% |
| May-07 | 8325 | 7373 | 8330 | 0.1% | 957 | 11% |
| Jun-07 | 3319 | 1968 | 3306 | -0.4% | 1338 | 40% |
| Jul-07 | 3202 | 1920 | 3173 | -0.9% | 1253 | 39% |
| Aug-07 | 2900 | 939 | 2901 | 0.1% | 1963 | 68% |
| Sep-07 | 2577 | 915 | 2559 | -0.7% | 1644 | 64% |
| Oct-07 | 3292 | 3001 | 3301 | 0.3% | 300 | 9% |
| Nov-07 | 5898 | 6178 | 5879 | -0.3% | -299 | -5% |
| Dec-07 | 7231 | 5692 | 7220 | -0.1% | 1529 | 21% |
| Total 2007 | 70191 | 53456 | 70087 | -0.1% | 16631 | 24% |
| Jan-08 | 9093 | 7192 | 9109 | 0.2% | 1917 | 21% |
| Feb-08 | 8808 | 7393 | 8789 | -0.2% | 1396 | 16% |
| Mar-08 | 9712 | 9130 | 9725 | 0.1% | 595 | 6% |
| Apr-08 | 9059 | 8465 | 9021 | -0.4% | 557 | 6% |
| May-08 | 6399 | 5947 | 6395 | -0.1% | 448 | 7% |
| Jun-08 | 3085 | 2635 | 3080 | -0.2% | 445 | 14% |
| Jul-08 | 5207 | 4173 | 5216 | 0.2% | 1043 | 20% |
| Aug-08 | 6801 | 5393 | 6793 | -0.1% | 1399 | 21% |
| Sep-08 | 3418 | 2041 | 3413 | -0.1% | 1372 | 40% |
| Oct-08 | 4298 | 3280 | 4297 | 0.0% | 1018 | 24% |
| Nov-08 | 8433 | 6510 | 8324 | -1.3% | 1814 | 22% |
| Dec-08 | 8698 | 8248 | 8700 | 0.0% | 452 | 5% |
| Total 2008 | 83011 | 70407 | 82862 | -0.2% | 12455 | 15% |

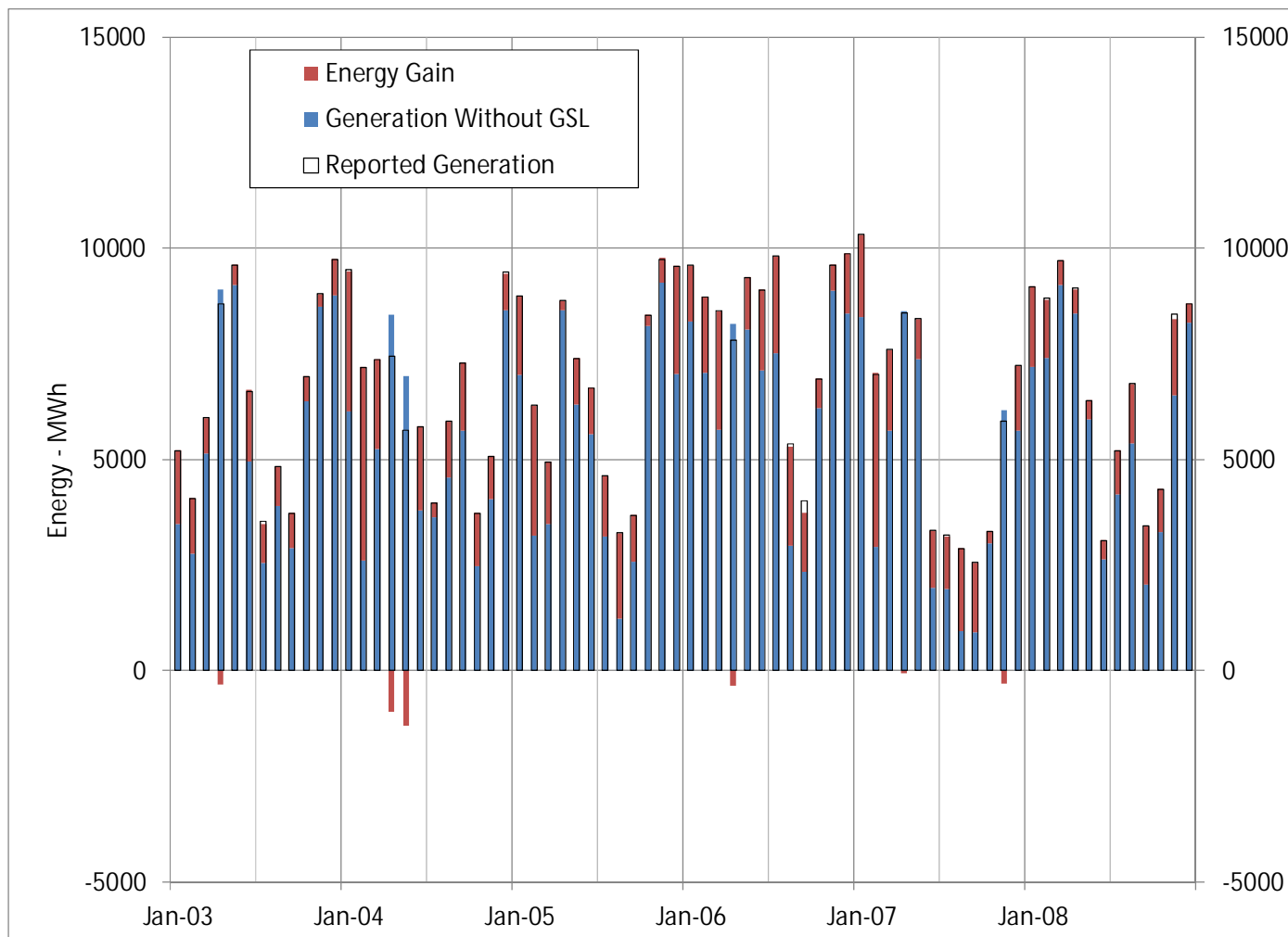


Figure 35. Monthly Generation and Energy Gains Plot for the South Glens Falls Facility

Table 16. Generation and Energy Gains for the Hudson Falls Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 14586 | 12258 | 14593 | 0.0% | 2335 | 16% |
| Feb-03 | 11777 | 9993 | 11728 | -0.4% | 1734 | 15% |
| Mar-03 | 17207 | 16985 | 17203 | 0.0% | 219 | 1% |
| Apr-03 | 25791 | 28734 | 25824 | 0.1% | -2910 | -11% |
| May-03 | 28800 | 28044 | 28813 | 0.0% | 769 | 3% |
| Jun-03 | 19921 | 17870 | 19902 | -0.1% | 2032 | 10% |
| Jul-03 | 10143 | 8890 | 10144 | 0.0% | 1254 | 12% |
| Aug-03 | 12262 | 11031 | 12244 | -0.2% | 1212 | 10% |
| Sep-03 | 10292 | 9311 | 10300 | 0.1% | 989 | 10% |
| Oct-03 | 18926 | 18393 | 18944 | 0.1% | 551 | 3% |
| Nov-03 | 26198 | 27388 | 26206 | 0.0% | -1181 | -5% |
| Dec-03 | 28777 | 28240 | 28768 | 0.0% | 528 | 2% |
| Total 2003 | 224681 | 217137 | 224669 | 0.0% | 7532 | 3% |
| Jan-04 | 24007 | 20180 | 24015 | 0.0% | 3836 | 16% |
| Feb-04 | 20872 | 14218 | 20843 | -0.1% | 6626 | 32% |
| Mar-04 | 21456 | 18930 | 21498 | 0.2% | 2568 | 12% |
| Apr-04 | 22489 | 26545 | 22525 | 0.2% | -4020 | -18% |
| May-04 | 16883 | 19088 | 16933 | 0.3% | -2155 | -13% |
| Jun-04 | 17311 | 14361 | 17300 | -0.1% | 2939 | 17% |
| Jul-04 | 12087 | 11720 | 12095 | 0.1% | 375 | 3% |
| Aug-04 | 19187 | 17345 | 19200 | 0.1% | 1856 | 10% |
| Sep-04 | 20868 | 19054 | 20870 | 0.0% | 1816 | 9% |
| Oct-04 | 10579 | 8979 | 10572 | -0.1% | 1593 | 15% |
| Nov-04 | 15216 | 14063 | 15205 | -0.1% | 1142 | 8% |
| Dec-04 | 27011 | 27809 | 27052 | 0.2% | -757 | -3% |
| Total 2004 | 227966 | 212289 | 228107 | 0.1% | 15818 | 7% |
| Jan-05 | 24917 | 22826 | 24946 | 0.1% | 2119 | 8% |
| Feb-05 | 18364 | 13643 | 18357 | 0.0% | 4713 | 26% |
| Mar-05 | 14414 | 12550 | 14418 | 0.0% | 1868 | 13% |
| Apr-05 | 26655 | 28333 | 26701 | 0.2% | -1631 | -6% |
| May-05 | 21903 | 20132 | 21846 | -0.3% | 1714 | 8% |
| Jun-05 | 19563 | 18294 | 19509 | -0.3% | 1215 | 6% |
| Jul-05 | 12793 | 10963 | 12775 | -0.1% | 1812 | 14% |
| Aug-05 | 9217 | 6517 | 9227 | 0.1% | 2710 | 29% |
| Sep-05 | 10565 | 9072 | 10548 | -0.2% | 1476 | 14% |
| Oct-05 | 22214 | 23889 | 22184 | -0.1% | -1705 | -8% |
| Nov-05 | 26124 | 26019 | 26082 | -0.2% | 64 | 0% |
| Dec-05 | 27881 | 24496 | 27921 | 0.1% | 3425 | 12% |
| Total 2005 | 234609 | 216733 | 234514 | 0.0% | 17781 | 8% |

Table 16 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 28142 | 27219 | 28039 | -0.4% | 821 | 3% |
| Feb-06 | 25856 | 23553 | 25754 | -0.4% | 2201 | 9% |
| Mar-06 | 24770 | 21493 | 24703 | -0.3% | 3210 | 13% |
| Apr-06 | 22989 | 24232 | 22925 | -0.3% | -1307 | -6% |
| May-06 | 27438 | 25588 | 27372 | -0.2% | 1784 | 7% |
| Jun-06 | 27068 | 25010 | 27053 | -0.1% | 2043 | 8% |
| Jul-06 | 27994 | 25467 | 27998 | 0.0% | 2531 | 9% |
| Aug-06 | 15241 | 11872 | 15198 | -0.3% | 3326 | 22% |
| Sep-06 | 9638 | 7943 | 9648 | 0.1% | 1705 | 18% |
| Oct-06 | 18970 | 19065 | 18925 | -0.2% | -140 | -1% |
| Nov-06 | 27364 | 26969 | 27275 | -0.3% | 306 | 1% |
| Dec-06 | 28895 | 27425 | 28924 | 0.1% | 1500 | 5% |
| Total 2006 | 284365 | 265835 | 283815 | -0.2% | 17980 | 6% |
| Jan-07 | 29652 | 27362 | 29728 | 0.3% | 2367 | 8% |
| Feb-07 | 20994 | 14790 | 21008 | 0.1% | 6218 | 30% |
| Mar-07 | 23901 | 21188 | 23904 | 0.0% | 2716 | 11% |
| Apr-07 | 26312 | 28980 | 26309 | 0.0% | -2671 | -10% |
| May-07 | 24409 | 22776 | 24408 | 0.0% | 1632 | 7% |
| Jun-07 | 9469 | 7642 | 9395 | -0.8% | 1753 | 19% |
| Jul-07 | 9081 | 7369 | 8996 | -0.9% | 1627 | 18% |
| Aug-07 | 8071 | 5445 | 8086 | 0.2% | 2641 | 33% |
| Sep-07 | 7312 | 4955 | 7322 | 0.1% | 2367 | 32% |
| Oct-07 | 9528 | 9332 | 9538 | 0.1% | 206 | 2% |
| Nov-07 | 15824 | 16692 | 15874 | 0.3% | -818 | -5% |
| Dec-07 | 20323 | 18274 | 20268 | -0.3% | 1994 | 10% |
| Total 2007 | 204874 | 184804 | 204835 | 0.0% | 20031 | 10% |
| Jan-08 | 25431 | 23639 | 25314 | -0.5% | 1676 | 7% |
| Feb-08 | 24194 | 23126 | 24072 | -0.5% | 946 | 4% |
| Mar-08 | 27697 | 28344 | 27669 | -0.1% | -674 | -2% |
| Apr-08 | 30318 | 30585 | 30292 | -0.1% | -292 | -1% |
| May-08 | 18889 | 18169 | 18887 | 0.0% | 717 | 4% |
| Jun-08 | 9441 | 8860 | 9443 | 0.0% | 583 | 6% |
| Jul-08 | 11071 | 10327 | 11124 | 0.5% | 798 | 7% |
| Aug-08 | 18925 | 17192 | 18938 | 0.1% | 1746 | 9% |
| Sep-08 | 9249 | 7557 | 9256 | 0.1% | 1698 | 18% |
| Oct-08 | 11505 | 10697 | 11519 | 0.1% | 823 | 7% |
| Nov-08 | 22744 | 20533 | 22756 | 0.1% | 2223 | 10% |
| Dec-08 | 23593 | 23926 | 23579 | -0.1% | -347 | -1% |
| Total 2008 | 233056 | 222954 | 232849 | -0.1% | 9896 | 4% |

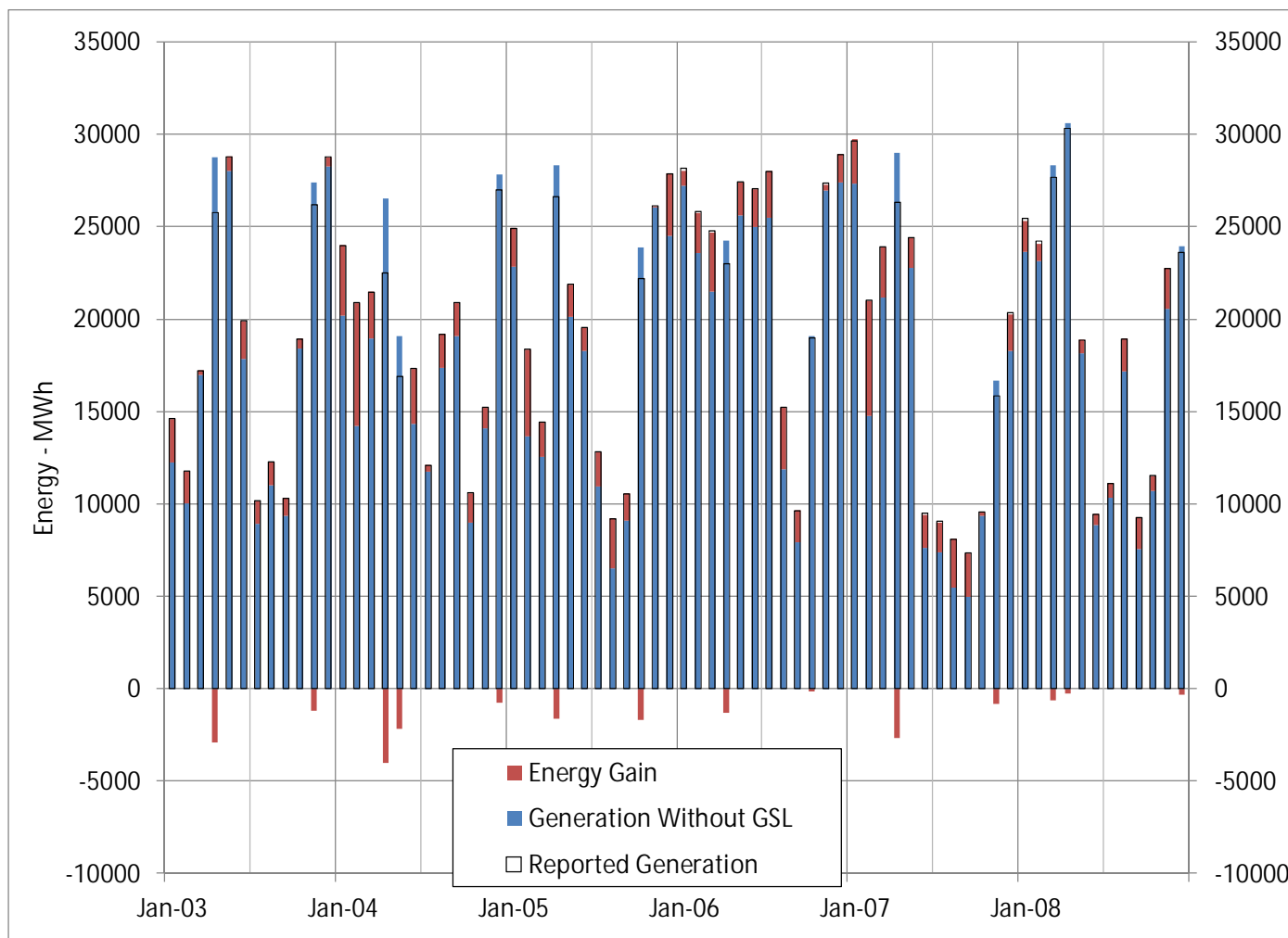


Figure 36. Monthly Generation and Energy Gains Plot for the Hudson Falls Facility

Table 17. Generation and Energy Gains for the Fort Miller Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|----------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 2323 | 2256 | 2257 | -2.8% | 1 | 0% |
| Feb-03 | 2098 | 2090 | 2129 | 1.5% | 39 | 2% |
| Mar-03 | 2152 | 2073 | 2152 | 0.0% | 79 | 4% |
| Apr-03 | 1943 | 1863 | 1947 | 0.2% | 84 | 4% |
| May-03 | 1965 | 2041 | 2022 | 2.9% | -19 | -1% |
| Jun-03 | 2180 | 2106 | 2141 | -1.8% | 35 | 2% |
| Jul-03 | 2534 | 1829 | 2172 | -14.3% | 343 | 16% |
| Aug-03 | 2573 | 2114 | 2274 | -11.6% | 160 | 7% |
| Sep-03 | 2169 | 1925 | 2225 | 2.6% | 299 | 13% |
| Oct-03 | 2078 | 2221 | 2223 | 7.0% | 2 | 0% |
| Nov-03 | 2041 | 1952 | 2000 | -2.0% | 48 | 2% |
| Dec-03 | 2304 | 1994 | 2002 | -13.1% | 9 | 0% |
| Tot 2003 | 26358 | 24464 | 25544 | -3.1% | 1080 | 4% |
| Jan-04 | 2127 | 2138 | 2129 | 0.1% | -9 | 0% |
| Feb-04 | 1910 | 2051 | 1977 | 3.5% | -74 | -4% |
| Mar-04 | 2222 | 2123 | 2134 | -4.0% | 10 | 0% |
| Apr-04 | 1968 | 2043 | 2052 | 4.3% | 9 | 0% |
| May-04 | 2040 | 2139 | 2175 | 6.6% | 36 | 2% |
| Jun-04 | 2051 | 1790 | 1988 | -3.1% | 198 | 10% |
| Jul-04 | 2107 | 1968 | 2106 | 0.0% | 138 | 7% |
| Aug-04 | 2104 | 2134 | 2136 | 1.5% | 2 | 0% |
| Sep-04 | 1998 | 2074 | 2062 | 3.2% | -12 | -1% |
| Oct-04 | 1968 | 1962 | 2104 | 6.9% | 142 | 7% |
| Nov-04 | 2166 | 2068 | 2108 | -2.7% | 40 | 2% |
| Dec-04 | 2326 | 2136 | 2135 | -8.2% | -1 | 0% |
| Tot 2004 | 24987 | 24625 | 25105 | 0.5% | 480 | 2% |
| Jan-05 | 2707 | 2604 | 2593 | -4.2% | -11 | 0% |
| Feb-05 | 2200 | 1711 | 2205 | 0.2% | 493 | 22% |
| Mar-05 | 2404 | 1416 | 1714 | -28.7% | 298 | 17% |
| Apr-05 | 3013 | 2271 | 2357 | -21.8% | 86 | 4% |
| May-05 | 2233 | 2075 | 2168 | -2.9% | 93 | 4% |
| Jun-05 | 2000 | 1895 | 1982 | -0.9% | 88 | 4% |
| Jul-05 | 1698 | 1475 | 1698 | 0.0% | 223 | 13% |
| Aug-05 | 1339 | 739 | 1042 | -22.2% | 303 | 29% |
| Sep-05 | 1157 | 1056 | 1236 | 6.8% | 180 | 15% |
| Oct-05 | 2353 | 2209 | 2283 | -3.0% | 75 | 3% |
| Nov-05 | 2584 | 2439 | 2453 | -5.1% | 15 | 1% |
| Dec-05 | 2733 | 2454 | 2569 | -6.0% | 115 | 4% |
| Tot 2005 | 26421 | 22343 | 24299 | -8.0% | 1956 | 8% |

Table 17 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|----------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 3208 | 3158 | 3208 | 0.0% | 50 | 2% |
| Feb-06 | 2893 | 2629 | 2772 | -4.2% | 143 | 5% |
| Mar-06 | 2548 | 2621 | 2547 | -0.1% | -75 | -3% |
| Apr-06 | 2774 | 2703 | 2638 | -4.9% | -65 | -2% |
| May-06 | 3280 | 3052 | 3247 | -1.0% | 195 | 6% |
| Jun-06 | 3223 | 3084 | 3224 | 0.0% | 140 | 4% |
| Jul-06 | 3379 | 3115 | 3358 | -0.6% | 243 | 7% |
| Aug-06 | 3355 | 2054 | 2424 | -27.7% | 370 | 15% |
| Sep-06 | 2178 | 1853 | 2184 | 0.3% | 330 | 15% |
| Oct-06 | 1920 | 2902 | 2814 | 46.6% | -87 | -3% |
| Nov-06 | 2249 | 3070 | 3050 | 35.6% | -20 | -1% |
| Dec-06 | 2381 | 2927 | 3015 | 26.6% | 87 | 3% |
| Tot 2006 | 33386 | 33168 | 34480 | 3.3% | 1311 | 4% |
| Jan-07 | 2504 | 2192 | 2210 | -11.7% | 19 | 1% |
| Feb-07 | 1985 | 1975 | 1985 | 0.0% | 10 | 1% |
| Mar-07 | 2370 | 2201 | 2206 | -6.9% | 6 | 0% |
| Apr-07 | 2073 | 2066 | 2112 | 1.9% | 46 | 2% |
| May-07 | 2211 | 2201 | 2211 | 0.0% | 10 | 0% |
| Jun-07 | 1907 | 1652 | 1907 | 0.0% | 256 | 13% |
| Jul-07 | 1829 | 1515 | 1840 | 0.6% | 325 | 18% |
| Aug-07 | 1837 | 1018 | 1530 | -16.7% | 512 | 33% |
| Sep-07 | 1726 | 986 | 1411 | -18.3% | 424 | 30% |
| Oct-07 | 1777 | 1533 | 1777 | 0.0% | 243 | 14% |
| Nov-07 | 1966 | 2096 | 2069 | 5.3% | -27 | -1% |
| Dec-07 | 2065 | 2194 | 2193 | 6.2% | -1 | 0% |
| Tot 2007 | 24251 | 21628 | 23451 | -3.3% | 1824 | 8% |
| Jan-08 | 2266 | 2273 | 2266 | 0.0% | -7 | 0% |
| Feb-08 | 1894 | 2127 | 2133 | 12.6% | 6 | 0% |
| Mar-08 | 2455 | 2428 | 2455 | 0.0% | 28 | 1% |
| Apr-08 | 2231 | 2176 | 2233 | 0.1% | 57 | 3% |
| May-08 | 2334 | 2280 | 2292 | -1.8% | 13 | 1% |
| Jun-08 | 2147 | 1961 | 2130 | -0.8% | 169 | 8% |
| Jul-08 | 2273 | 2077 | 2272 | 0.0% | 195 | 9% |
| Aug-08 | 2170 | 2237 | 2256 | 4.0% | 20 | 1% |
| Sep-08 | 1963 | 1802 | 2176 | 10.8% | 374 | 17% |
| Oct-08 | 2009 | 2045 | 2319 | 15.4% | 273 | 12% |
| Nov-08 | 2278 | 2160 | 2175 | -4.6% | 14 | 1% |
| Dec-08 | 2378 | 2357 | 2370 | -0.4% | 12 | 1% |
| Tot 2008 | 26397 | 25922 | 27076 | 2.6% | 1154 | 4% |

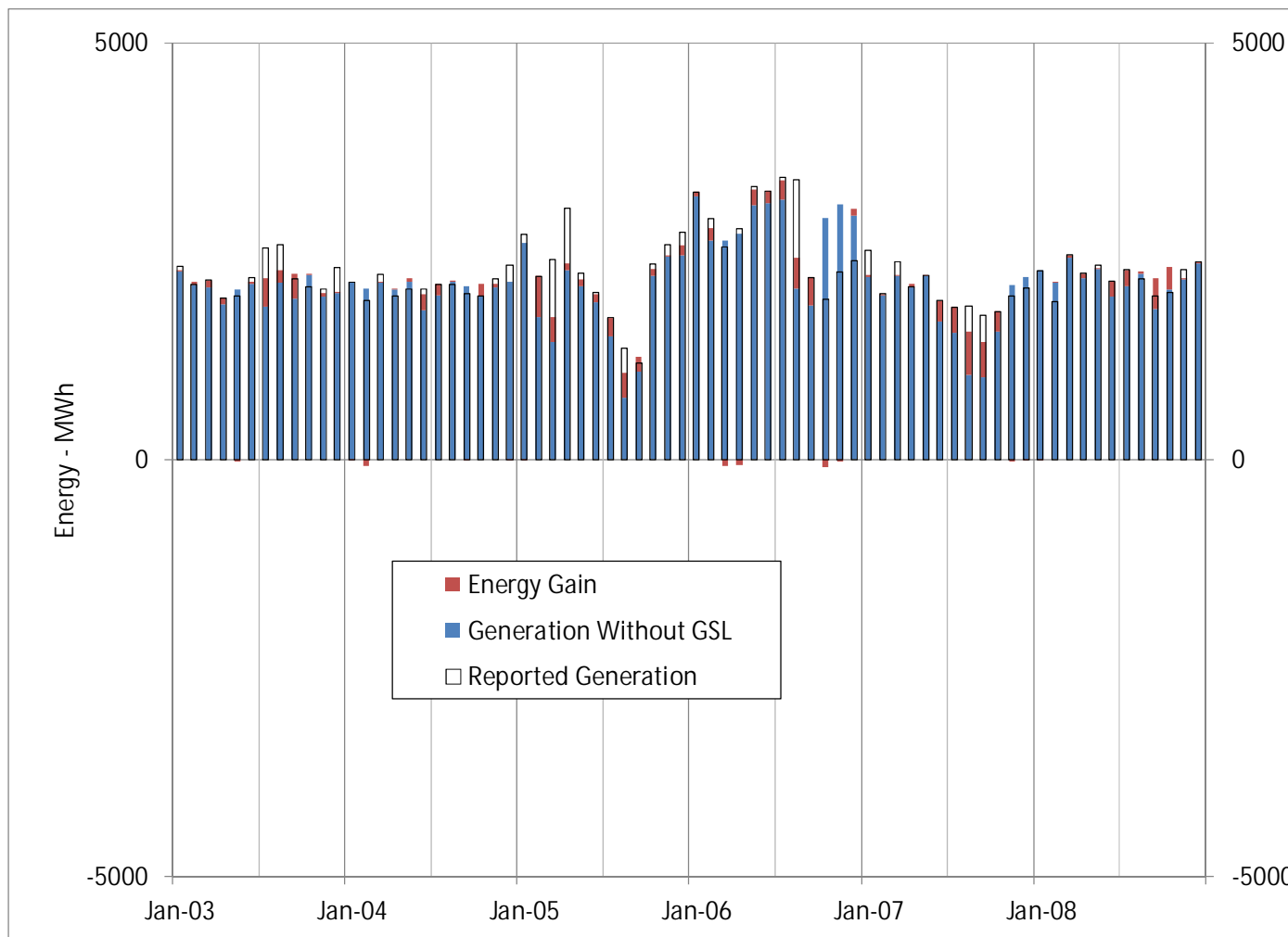


Figure 37. Monthly Generation and Energy Gains Plot for the Fort Miller Facility

Table 18. Generation and Energy Gains for the Stillwater Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 906 | 900 | 909 | 0.3% | 9 | 1% |
| Feb-03 | 859 | 852 | 867 | 0.9% | 15 | 2% |
| Mar-03 | 894 | 877 | 892 | -0.2% | 15 | 2% |
| Apr-03 | 1284 | 1282 | 1283 | -0.1% | 2 | 0% |
| May-03 | 1425 | 1433 | 1432 | 0.5% | -1 | 0% |
| Jun-03 | 1378 | 1349 | 1381 | 0.2% | 32 | 2% |
| Jul-03 | 1028 | 851 | 1031 | 0.3% | 180 | 17% |
| Aug-03 | 1259 | 1150 | 1255 | -0.3% | 105 | 8% |
| Sep-03 | 894 | 763 | 891 | -0.3% | 128 | 14% |
| Oct-03 | 1314 | 1307 | 1311 | -0.2% | 4 | 0% |
| Nov-03 | 970 | 972 | 971 | 0.1% | -1 | 0% |
| Dec-03 | 1080 | 1084 | 1082 | 0.2% | -2 | 0% |
| Total 2004 | 13291 | 12818 | 13306 | 0.1% | 487 | 4% |
| Jan-04 | 668 | 672 | 669 | 0.2% | -3 | 0% |
| Feb-04 | 642 | 626 | 640 | -0.3% | 14 | 2% |
| Mar-04 | 1177 | 1166 | 1179 | 0.1% | 13 | 1% |
| Apr-04 | 1283 | 1285 | 1292 | 0.7% | 7 | 1% |
| May-04 | 1350 | 1361 | 1354 | 0.3% | -7 | -1% |
| Jun-04 | 1288 | 1147 | 1282 | -0.5% | 135 | 11% |
| Jul-04 | 1033 | 962 | 1028 | -0.4% | 66 | 6% |
| Aug-04 | 1525 | 1516 | 1527 | 0.1% | 11 | 1% |
| Sep-04 | 1628 | 1548 | 1560 | -4.2% | 13 | 1% |
| Oct-04 | 1095 | 980 | 1093 | -0.2% | 113 | 10% |
| Nov-04 | 1117 | 1077 | 1117 | 0.0% | 40 | 4% |
| Dec-04 | 1289 | 1295 | 1294 | 0.4% | -1 | 0% |
| Total 2004 | 14095 | 13635 | 14035 | -0.4% | 401 | 3% |
| Jan-05 | 1193 | 1196 | 1190 | -0.3% | -6 | 0% |
| Feb-05 | 795 | 782 | 794 | -0.2% | 12 | 1% |
| Mar-05 | 1250 | 1197 | 1206 | -3.5% | 10 | 1% |
| Apr-05 | 1109 | 1112 | 1116 | 0.6% | 4 | 0% |
| May-05 | 1375 | 1365 | 1373 | -0.2% | 8 | 1% |
| Jun-05 | 1167 | 1141 | 1160 | -0.6% | 19 | 2% |
| Jul-05 | 1393 | 1295 | 1388 | -0.4% | 92 | 7% |
| Aug-05 | 741 | 475 | 745 | 0.6% | 271 | 36% |
| Sep-05 | 794 | 630 | 800 | 0.8% | 170 | 21% |
| Oct-05 | 925 | 897 | 919 | -0.6% | 22 | 2% |
| Nov-05 | 853 | 863 | 862 | 1.0% | -1 | 0% |
| Dec-05 | 1214 | 1220 | 1219 | 0.4% | -1 | 0% |
| Total 2005 | 12809 | 12171 | 12771 | -0.3% | 600 | 5% |

Table 18 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 1498 | 1494 | 1491 | -0.4% | -3 | 0% |
| Feb-06 | 1278 | 1287 | 1284 | 0.5% | -3 | 0% |
| Mar-06 | 1472 | 1456 | 1468 | -0.3% | 12 | 1% |
| Apr-06 | 1555 | 1545 | 1549 | -0.4% | 3 | 0% |
| May-06 | 1452 | 1416 | 1453 | 0.1% | 37 | 3% |
| Jun-06 | 1631 | 1627 | 1625 | -0.4% | -3 | 0% |
| Jul-06 | 1463 | 1460 | 1455 | -0.6% | -5 | 0% |
| Aug-06 | 1383 | 1169 | 1366 | -1.3% | 197 | 14% |
| Sep-06 | 976 | 796 | 970 | -0.6% | 174 | 18% |
| Oct-06 | 1154 | 1147 | 1154 | 0.0% | 8 | 1% |
| Nov-06 | 1135 | 1133 | 1131 | -0.4% | -2 | 0% |
| Dec-06 | 1682 | 1693 | 1685 | 0.2% | -8 | 0% |
| Total 2006 | 16679 | 16223 | 16630 | -0.3% | 407 | 2% |
| Jan-07 | 1492 | 1493 | 1489 | -0.2% | -4 | 0% |
| Feb-07 | 856 | 843 | 851 | -0.6% | 8 | 1% |
| Mar-07 | 1190 | 1184 | 1194 | 0.3% | 10 | 1% |
| Apr-07 | 1258 | 1255 | 1258 | 0.0% | 3 | 0% |
| May-07 | 1356 | 1351 | 1351 | -0.4% | 0 | 0% |
| Jun-07 | 1056 | 915 | 1059 | 0.3% | 144 | 14% |
| Jul-07 | 952 | 739 | 948 | -0.4% | 210 | 22% |
| Aug-07 | 781 | 387 | 777 | -0.5% | 391 | 50% |
| Sep-07 | 626 | 330 | 624 | -0.3% | 294 | 47% |
| Oct-07 | 689 | 539 | 688 | -0.1% | 149 | 22% |
| Nov-07 | 1083 | 1093 | 1081 | -0.2% | -12 | -1% |
| Dec-07 | 1318 | 1318 | 1323 | 0.4% | 5 | 0% |
| Total 2007 | 12657 | 11446 | 12642 | -0.1% | 1196 | 9% |
| Jan-08 | 1219 | 1212 | 1214 | -0.4% | 1 | 0% |
| Feb-08 | 1042 | 1040 | 1037 | -0.5% | -3 | 0% |
| Mar-08 | 1263 | 1266 | 1266 | 0.2% | 0 | 0% |
| Apr-08 | 1099 | 1108 | 1108 | 0.8% | 0 | 0% |
| May-08 | 1283 | 1274 | 1278 | -0.4% | 3 | 0% |
| Jun-08 | 956 | 883 | 957 | 0.1% | 73 | 8% |
| Jul-08 | 974 | 882 | 977 | 0.3% | 95 | 10% |
| Aug-08 | 1474 | 1446 | 1476 | 0.2% | 31 | 2% |
| Sep-08 | 1087 | 903 | 1082 | -0.5% | 179 | 17% |
| Oct-08 | 982 | 868 | 989 | 0.7% | 122 | 12% |
| Nov-08 | 1041 | 1044 | 1043 | 0.2% | -1 | 0% |
| Dec-08 | 1228 | 1227 | 1225 | -0.2% | -2 | 0% |
| Total 2008 | 13648 | 13152 | 13651 | 0.0% | 499 | 4% |

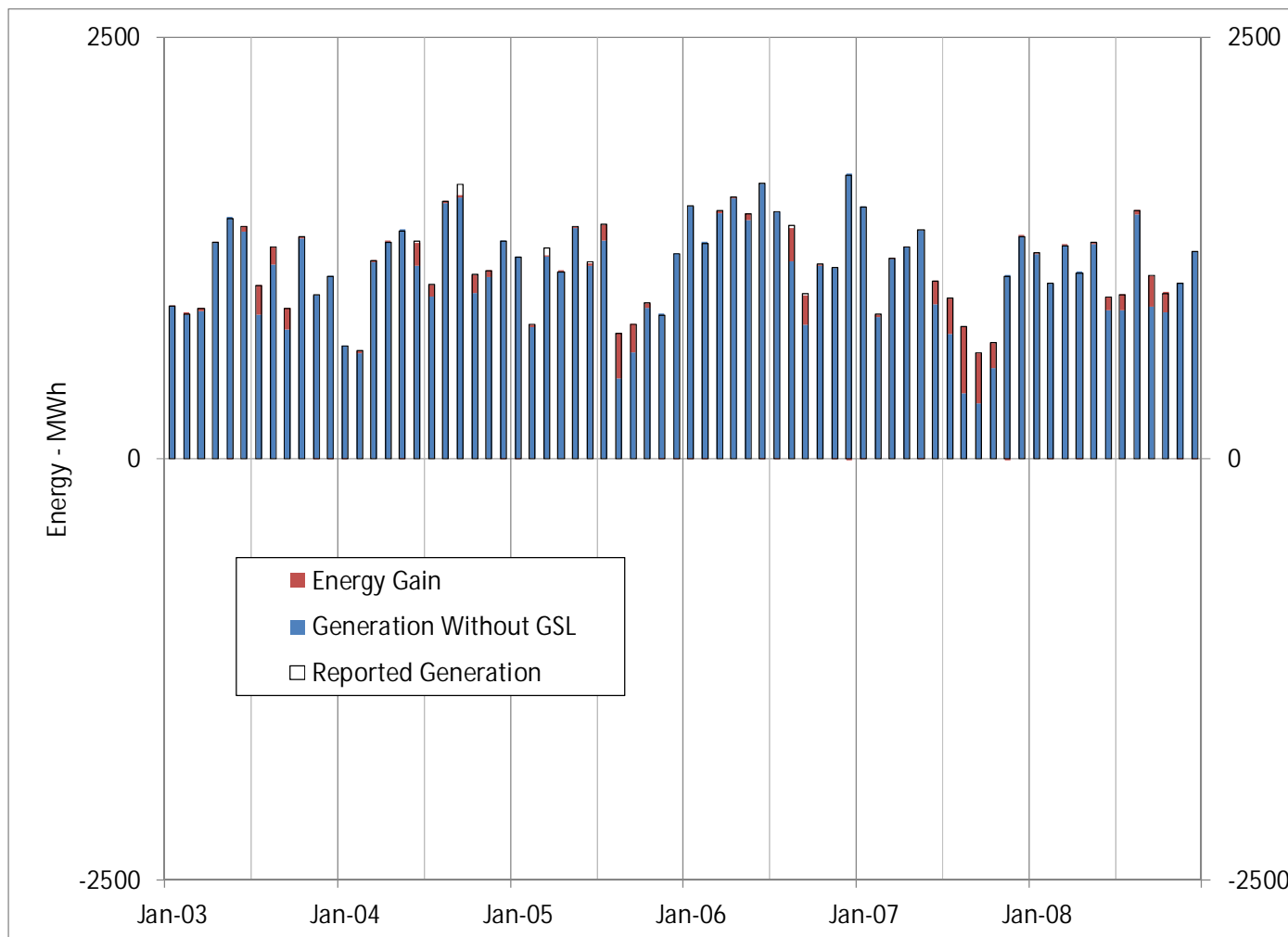


Figure 38. Monthly Generation and Energy Gains Plot for the Stillwater Facility

Table 19. Generation and Energy Gains for the Upper Mechanicville Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 6860 | 6053 | 6851 | -0.1% | 799 | 12% |
| Feb-03 | 3833 | 3315 | 3822 | -0.3% | 507 | 13% |
| Mar-03 | 6321 | 5822 | 6340 | 0.3% | 518 | 8% |
| Apr-03 | 11710 | 11700 | 11748 | 0.3% | 48 | 0% |
| May-03 | 11745 | 11598 | 11756 | 0.1% | 158 | 1% |
| Jun-03 | 7818 | 7257 | 7806 | -0.2% | 549 | 7% |
| Jul-03 | 4550 | 4160 | 4548 | 0.0% | 388 | 9% |
| Aug-03 | 6582 | 6139 | 6613 | 0.5% | 475 | 7% |
| Sep-03 | 4628 | 4225 | 4620 | -0.2% | 395 | 9% |
| Oct-03 | 7110 | 6946 | 7113 | 0.0% | 168 | 2% |
| Nov-03 | 8571 | 8596 | 8531 | -0.5% | -65 | -1% |
| Dec-03 | 10737 | 10648 | 10737 | 0.0% | 88 | 1% |
| Total 2003 | 90465 | 86459 | 90487 | 0.0% | 4028 | 4% |
| Jan-04 | 11455 | 10119 | 11463 | 0.1% | 1344 | 12% |
| Feb-04 | 7988 | 5530 | 7992 | 0.0% | 2462 | 31% |
| Mar-04 | 10920 | 9995 | 10944 | 0.2% | 949 | 9% |
| Apr-04 | 10175 | 10783 | 10207 | 0.3% | -576 | -6% |
| May-04 | 8049 | 8747 | 8091 | 0.5% | -657 | -8% |
| Jun-04 | 7332 | 6509 | 7329 | 0.0% | 820 | 11% |
| Jul-04 | 5738 | 5533 | 5731 | -0.1% | 198 | 3% |
| Aug-04 | 8976 | 8429 | 8966 | -0.1% | 537 | 6% |
| Sep-04 | 8934 | 8411 | 8922 | -0.1% | 511 | 6% |
| Oct-04 | 5358 | 4691 | 5340 | -0.3% | 649 | 12% |
| Nov-04 | 7083 | 6531 | 7084 | 0.0% | 554 | 8% |
| Dec-04 | 12420 | 12384 | 12387 | -0.3% | 3 | 0% |
| Total 2004 | 104429 | 97663 | 104457 | 0.0% | 6794 | 7% |
| Jan-05 | 11451 | 11012 | 11494 | 0.4% | 482 | 4% |
| Feb-05 | 9212 | 7704 | 9233 | 0.2% | 1528 | 17% |
| Mar-05 | 8385 | 7155 | 8278 | -1.3% | 1123 | 14% |
| Apr-05 | 10957 | 10708 | 10972 | 0.1% | 264 | 2% |
| May-05 | 9549 | 9059 | 9571 | 0.2% | 512 | 5% |
| Jun-05 | 7996 | 7637 | 7980 | -0.2% | 343 | 4% |
| Jul-05 | 6350 | 5697 | 6342 | -0.1% | 645 | 10% |
| Aug-05 | 3957 | 3107 | 3982 | 0.7% | 876 | 22% |
| Sep-05 | 4303 | 3861 | 4309 | 0.2% | 449 | 10% |
| Oct-05 | 9742 | 9784 | 9762 | 0.2% | -23 | 0% |
| Nov-05 | 11800 | 11723 | 11829 | 0.2% | 106 | 1% |
| Dec-05 | 12401 | 11400 | 12384 | -0.1% | 984 | 8% |
| Total 2005 | 106102 | 98846 | 106135 | 0.0% | 7289 | 7% |

Table 19 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 0 | 0 | 0 | NA | 0 | NA |
| Feb-06 | 0 | 0 | 0 | NA | 0 | NA |
| Mar-06 | 0 | 0 | 0 | NA | 0 | NA |
| Apr-06 | 0 | 0 | 0 | NA | 0 | NA |
| May-06 | 0 | 0 | 0 | NA | 0 | NA |
| Jun-06 | 0 | 0 | 0 | NA | 0 | NA |
| Jul-06 | 0 | 0 | 0 | NA | 0 | NA |
| Aug-06 | 0 | 0 | 0 | NA | 0 | NA |
| Sep-06 | 0 | 0 | 0 | NA | 0 | NA |
| Oct-06 | 0 | 0 | 0 | NA | 0 | NA |
| Nov-06 | 0 | 0 | 0 | NA | 0 | NA |
| Dec-06 | 0 | 0 | 0 | NA | 0 | NA |
| Total 2006 | 0 | 0 | 0 | NA | 0 | NA |
| Jan-07 | 13414 | 12852 | 13381 | -0.2% | 529 | 4% |
| Feb-07 | 9040 | 7019 | 9044 | 0.0% | 2024 | 22% |
| Mar-07 | 6866 | 5901 | 6869 | 0.0% | 968 | 14% |
| Apr-07 | 8881 | 8807 | 8926 | 0.5% | 118 | 1% |
| May-07 | 11127 | 10723 | 11112 | -0.1% | 390 | 4% |
| Jun-07 | 5370 | 4804 | 5361 | -0.2% | 557 | 10% |
| Jul-07 | 4314 | 3726 | 4299 | -0.3% | 574 | 13% |
| Aug-07 | 2857 | 2129 | 2844 | -0.5% | 714 | 25% |
| Sep-07 | 2855 | 2200 | 2844 | -0.4% | 644 | 23% |
| Oct-07 | 4395 | 4315 | 4410 | 0.3% | 94 | 2% |
| Nov-07 | 8297 | 8667 | 8303 | 0.1% | -365 | -4% |
| Dec-07 | 10088 | 9292 | 10132 | 0.4% | 840 | 8% |
| Total 2007 | 87504 | 80436 | 87524 | 0.0% | 7088 | 8% |
| Jan-08 | 11033 | 10502 | 11022 | -0.1% | 520 | 5% |
| Feb-08 | 12193 | 11899 | 12167 | -0.2% | 268 | 2% |
| Mar-08 | 12901 | 12649 | 12913 | 0.1% | 264 | 2% |
| Apr-08 | 11606 | 11214 | 11538 | -0.6% | 324 | 3% |
| May-08 | 8492 | 8358 | 8488 | 0.0% | 130 | 2% |
| Jun-08 | 4418 | 4218 | 4419 | 0.0% | 201 | 5% |
| Jul-08 | 5927 | 5563 | 5934 | 0.1% | 371 | 6% |
| Aug-08 | 8488 | 7916 | 8472 | -0.2% | 556 | 7% |
| Sep-08 | 4564 | 3977 | 4563 | 0.0% | 587 | 13% |
| Oct-08 | 5597 | 5127 | 5579 | -0.3% | 452 | 8% |
| Nov-08 | 10739 | 10228 | 10710 | -0.3% | 482 | 4% |
| Dec-08 | 7839 | 7841 | 7879 | 0.5% | 38 | 0% |
| Total 2008 | 103796 | 99492 | 103684 | -0.1% | 4191 | 4% |

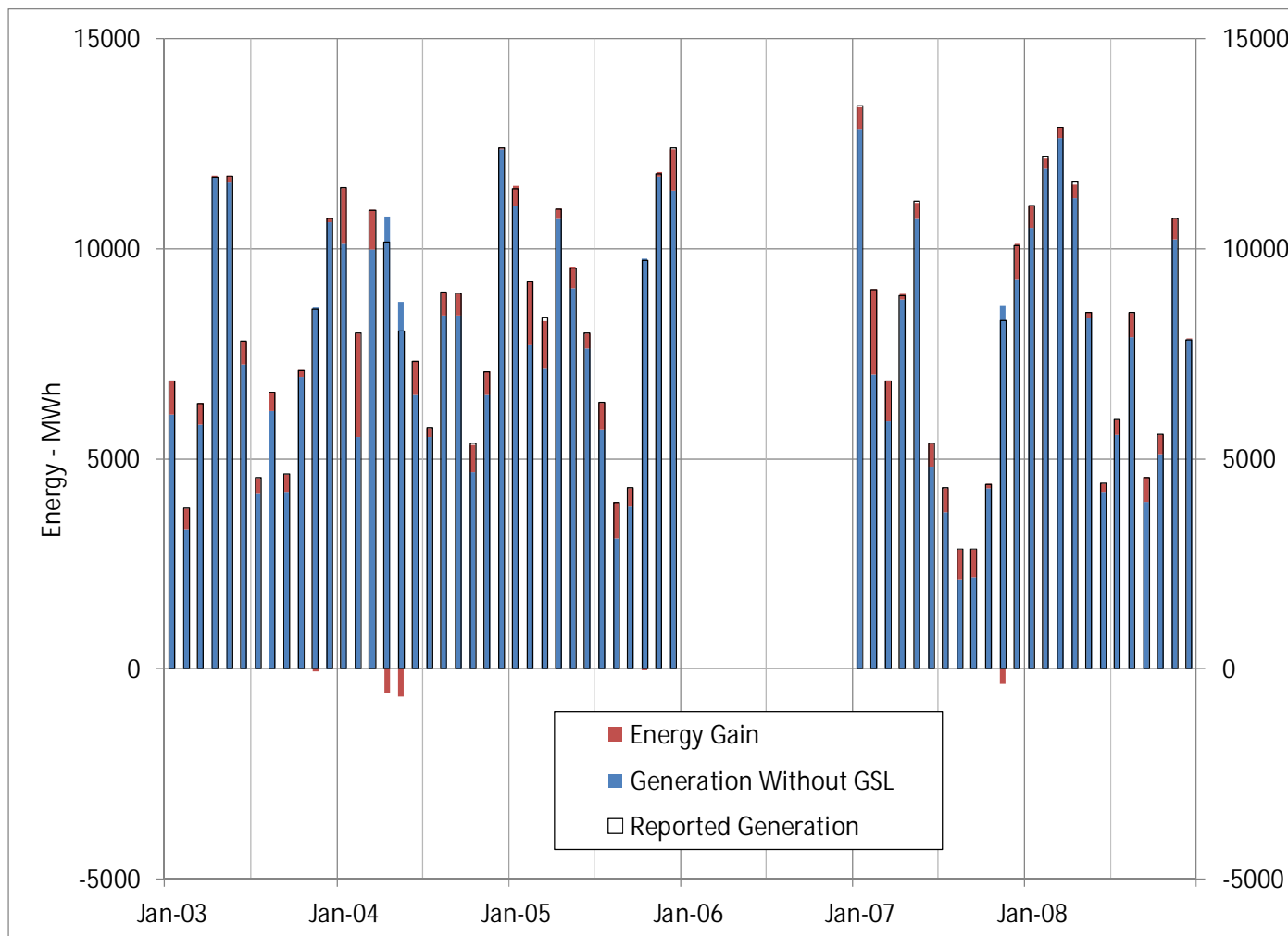


Figure 39. Monthly Generation and Energy Gains Plot for the Upper Mechanicville Facility

Table 20. Generation and Energy Gains for the Mechanicville Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-04 | 0 | 0 | 0 | - | 0 | - |
| Feb-04 | 0 | 0 | 0 | - | 0 | - |
| Mar-04 | 0 | 0 | 0 | - | 0 | - |
| Apr-04 | 0 | 0 | 0 | - | 0 | - |
| May-04 | 548 | 571 | 540 | -1.4% | -31 | -6% |
| Jun-04 | 411 | 330 | 405 | -1.6% | 75 | 19% |
| Jul-04 | 533 | 471 | 529 | -0.7% | 58 | 11% |
| Aug-04 | 920 | 879 | 923 | 0.3% | 44 | 5% |
| Sep-04 | 978 | 955 | 995 | 1.7% | 40 | 4% |
| Oct-04 | 1061 | 901 | 1056 | -0.5% | 155 | 15% |
| Nov-04 | 1066 | 974 | 1064 | -0.2% | 89 | 8% |
| Dec-04 | 1322 | 1333 | 1356 | 2.5% | 22 | 2% |
| Total 2004 | 6840 | 6415 | 6867 | 0.4% | 453 | 7% |
| Jan-05 | 1317 | 1301 | 1310 | -0.5% | 9 | 1% |
| Feb-05 | 843 | 773 | 836 | -0.9% | 63 | 8% |
| Mar-05 | 682 | 651 | 705 | 3.4% | 53 | 8% |
| Apr-05 | 1096 | 986 | 1090 | -0.5% | 104 | 10% |
| May-05 | 1053 | 1008 | 1034 | -1.8% | 25 | 2% |
| Jun-05 | 1002 | 971 | 1008 | 0.6% | 37 | 4% |
| Jul-05 | 1205 | 1053 | 1210 | 0.4% | 157 | 13% |
| Aug-05 | 848 | 357 | 844 | -0.5% | 487 | 58% |
| Sep-05 | 874 | 610 | 866 | -1.0% | 256 | 30% |
| Oct-05 | 1172 | 1129 | 1170 | -0.2% | 40 | 3% |
| Nov-05 | 1422 | 1416 | 1426 | 0.2% | 10 | 1% |
| Dec-05 | 1639 | 1579 | 1629 | -0.6% | 49 | 3% |
| Total 2005 | 13151 | 11834 | 13125 | -0.2% | 1291 | 10% |
| Jan-06 | 1550 | 1519 | 1538 | -0.8% | 20 | 1% |
| Feb-06 | 1439 | 1406 | 1441 | 0.1% | 35 | 2% |
| Mar-06 | 1301 | 1200 | 1297 | -0.4% | 97 | 7% |
| Apr-06 | 924 | 911 | 921 | -0.3% | 10 | 1% |
| May-06 | 1285 | 1246 | 1280 | -0.4% | 35 | 3% |
| Jun-06 | 1351 | 1298 | 1362 | 0.8% | 63 | 5% |
| Jul-06 | 1493 | 1460 | 1490 | -0.2% | 30 | 2% |
| Aug-06 | 1305 | 1073 | 1309 | 0.3% | 236 | 18% |
| Sep-06 | 1018 | 789 | 1028 | 1.0% | 238 | 23% |
| Oct-06 | 1551 | 1472 | 1538 | -0.8% | 66 | 4% |
| Nov-06 | 1541 | 1530 | 1545 | 0.3% | 15 | 1% |
| Dec-06 | 1599 | 1579 | 1602 | 0.2% | 23 | 1% |
| Total 2006 | 16355 | 15482 | 16350 | 0.0% | 869 | 5% |

Table 20 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|-------------------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-07 | 1528 | 1523 | 1530 | 0.2% | 7 | 0% |
| Feb-07 | 1031 | 922 | 1044 | 1.3% | 122 | 12% |
| Mar-07 | 1833 | 1696 | 1828 | -0.3% | 132 | 7% |
| Apr-07 | 1641 | 1524 | 1643 | 0.1% | 119 | 7% |
| May-07 | 1664 | 1664 | 1665 | 0.1% | 1 | 0% |
| Jun-07 | 1217 | 998 | 1206 | -0.9% | 208 | 17% |
| Jul-07 | 935 | 673 | 939 | 0.5% | 266 | 28% |
| Aug-07 | 603 | 111 | 594 | -1.4% | 484 | 81% |
| Sep-07 | 526 | 147 | 522 | -0.8% | 375 | 72% |
| Oct-07 | 928 | 693 | 912 | -1.7% | 219 | 24% |
| Nov-07 | 1664 | 1732 | 1658 | -0.3% | -74 | -4% |
| Dec-07 | 2201 | 2051 | 2188 | -0.6% | 137 | 6% |
| Total 2007 | 15770 | 13733 | 15729 | -0.3% | 1996 | 13% |
| Jan-08 | 1996 | 1947 | 2000 | 0.2% | 53 | 3% |
| Feb-08 | 1767 | 1761 | 1776 | 0.5% | 14 | 1% |
| Mar-08 | 1769 | 1707 | 1756 | -0.7% | 49 | 3% |
| Apr-08 | 1795 | 1695 | 1794 | -0.1% | 99 | 6% |
| May-08 | 1279 | 1269 | 1272 | -0.5% | 3 | 0% |
| Jun-08 | 1089 | 1011 | 1096 | 0.6% | 85 | 8% |
| Jul-08 | 1215 | 1056 | 1208 | -0.5% | 152 | 13% |
| Aug-08 | 1527 | 1456 | 1542 | 0.9% | 86 | 6% |
| Sep-08 | 1147 | 933 | 1153 | 0.5% | 220 | 19% |
| Oct-08 | 1106 | 965 | 1111 | 0.4% | 146 | 13% |
| Nov-08 | 1622 | 1600 | 1624 | 0.2% | 24 | 1% |
| Dec-08 | 1803 | 1799 | 1802 | 0.0% | 3 | 0% |
| Total 2008 | 18115 | 17199 | 18134 | 0.1% | 935 | 5% |

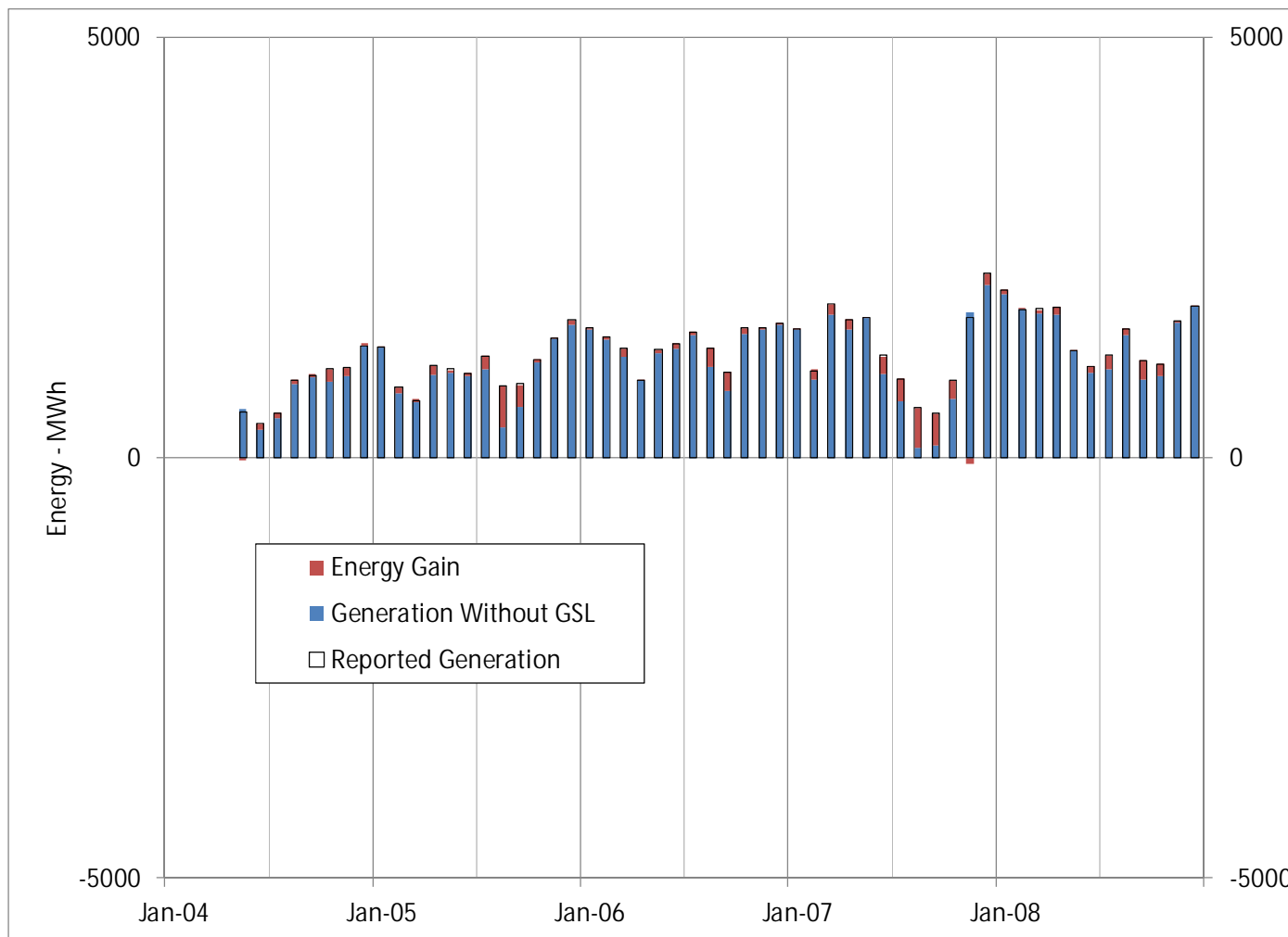


Figure 40. Monthly Generation and Energy Gains Plot for the Mechanicville Facility

Table 21. Generation and Energy Gains for the Green Island Facility.

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|----------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-03 | 3945 | 3856 | 3945 | 0.0% | 90 | 2% |
| Feb-03 | 3426 | 3349 | 3433 | 0.2% | 85 | 2% |
| Mar-03 | 3784 | 3729 | 3775 | -0.2% | 46 | 1% |
| Apr-03 | 3660 | 3600 | 3653 | -0.2% | 53 | 1% |
| May-03 | 3994 | 3970 | 3985 | -0.2% | 15 | 0% |
| Jun-03 | 3600 | 3538 | 3597 | -0.1% | 59 | 2% |
| Jul-03 | 2996 | 2780 | 2978 | -0.6% | 198 | 7% |
| Aug-03 | 2967 | 2866 | 2985 | 0.6% | 119 | 4% |
| Sep-03 | 3019 | 2846 | 3004 | -0.5% | 158 | 5% |
| Oct-03 | 3613 | 3614 | 3615 | 0.1% | 1 | 0% |
| Nov-03 | 3747 | 3669 | 3689 | -1.5% | 21 | 1% |
| Dec-03 | 3711 | 3711 | 3721 | 0.3% | 9 | 0% |
| Tot 2003 | 42460 | 41527 | 42379 | -0.2% | 853 | 2% |
| Jan-04 | 3698 | 3621 | 3701 | 0.1% | 80 | 2% |
| Feb-04 | 3778 | 3502 | 3782 | 0.1% | 280 | 7% |
| Mar-04 | 4118 | 4055 | 4113 | -0.1% | 58 | 1% |
| Apr-04 | 3958 | 3928 | 3961 | 0.1% | 33 | 1% |
| May-04 | 3766 | 3824 | 3779 | 0.3% | -45 | -1% |
| Jun-04 | 2957 | 2760 | 2975 | 0.6% | 215 | 7% |
| Jul-04 | 3017 | 2897 | 3004 | -0.4% | 107 | 4% |
| Aug-04 | 3424 | 3382 | 3424 | 0.0% | 42 | 1% |
| Sep-04 | 3987 | 3942 | 3987 | 0.0% | 45 | 1% |
| Oct-04 | 3124 | 2999 | 3119 | -0.2% | 120 | 4% |
| Nov-04 | 3510 | 3403 | 3497 | -0.4% | 93 | 3% |
| Dec-04 | 4066 | 4016 | 4056 | -0.2% | 40 | 1% |
| Tot 2004 | 43404 | 42328 | 43397 | 0.0% | 1069 | 2% |
| Jan-05 | 3374 | 3375 | 3400 | 0.8% | 26 | 1% |
| Feb-05 | 2827 | 2771 | 2818 | -0.3% | 48 | 2% |
| Mar-05 | 3211 | 3119 | 3201 | -0.3% | 83 | 3% |
| Apr-05 | 2893 | 2881 | 2900 | 0.3% | 19 | 1% |
| May-05 | 3358 | 3302 | 3367 | 0.3% | 65 | 2% |
| Jun-05 | 2935 | 2876 | 2937 | 0.1% | 61 | 2% |
| Jul-05 | 3032 | 2820 | 3038 | 0.2% | 218 | 7% |
| Aug-05 | 2190 | 1508 | 2195 | 0.2% | 686 | 31% |
| Sep-05 | 2488 | 2197 | 2490 | 0.1% | 292 | 12% |
| Oct-05 | 3710 | 3663 | 3719 | 0.3% | 56 | 1% |
| Nov-05 | 4029 | 4004 | 4026 | -0.1% | 22 | 1% |
| Dec-05 | 4324 | 4251 | 4300 | -0.6% | 49 | 1% |
| Tot 2005 | 38369 | 36767 | 38391 | 0.1% | 1624 | 4% |

Table 21 (continued)

| | Reported Generation MWh | Generation Without GSL MWh | Modeled Generation MWh | Generation Error - | Energy Gain MWh | Gain Fraction - |
|----------|-------------------------------|----------------------------------|------------------------------|--------------------------|--------------------|-----------------------|
| Jan-06 | 4194 | 4158 | 4186 | -0.2% | 28 | 1% |
| Feb-06 | 3880 | 3829 | 3862 | -0.5% | 34 | 1% |
| Mar-06 | 4353 | 4266 | 4354 | 0.0% | 88 | 2% |
| Apr-06 | 3979 | 3963 | 3977 | -0.1% | 14 | 0% |
| May-06 | 3974 | 3910 | 3974 | 0.0% | 64 | 2% |
| Jun-06 | 3909 | 3886 | 3905 | -0.1% | 19 | 0% |
| Jul-06 | 3786 | 3745 | 3776 | -0.3% | 31 | 1% |
| Aug-06 | 3150 | 2911 | 3144 | -0.2% | 232 | 7% |
| Sep-06 | 2611 | 2417 | 2615 | 0.1% | 198 | 8% |
| Oct-06 | 3825 | 3765 | 3830 | 0.1% | 65 | 2% |
| Nov-06 | 3946 | 3931 | 3952 | 0.2% | 21 | 1% |
| Dec-06 | 4291 | 4249 | 4291 | 0.0% | 42 | 1% |
| Tot 2006 | 45897 | 45030 | 45865 | -0.1% | 835 | 2% |
| Jan-07 | 3829 | 3828 | 3841 | 0.3% | 13 | 0% |
| Feb-07 | 3870 | 3645 | 3874 | 0.1% | 229 | 6% |
| Mar-07 | 4189 | 4105 | 4185 | -0.1% | 80 | 2% |
| Apr-07 | 3800 | 3736 | 3789 | -0.3% | 54 | 1% |
| May-07 | 3975 | 3945 | 3957 | -0.5% | 13 | 0% |
| Jun-07 | 2556 | 2354 | 2545 | -0.4% | 191 | 8% |
| Jul-07 | 1870 | 1617 | 1873 | 0.2% | 256 | 14% |
| Aug-07 | 1505 | 913 | 1499 | -0.4% | 586 | 39% |
| Sep-07 | 1487 | 938 | 1497 | 0.7% | 560 | 37% |
| Oct-07 | 1754 | 1564 | 1765 | 0.6% | 200 | 11% |
| Nov-07 | 2829 | 2886 | 2845 | 0.5% | -41 | -1% |
| Dec-07 | 3159 | 3125 | 3161 | 0.1% | 37 | 1% |
| Tot 2007 | 34823 | 32654 | 34830 | 0.0% | 2177 | 6% |
| Jan-08 | 3129 | 3101 | 3132 | 0.1% | 31 | 1% |
| Feb-08 | 3653 | 3648 | 3662 | 0.2% | 14 | 0% |
| Mar-08 | 3862 | 3830 | 3849 | -0.3% | 19 | 0% |
| Apr-08 | 3784 | 3755 | 3774 | -0.3% | 20 | 1% |
| May-08 | 3454 | 3440 | 3456 | 0.1% | 16 | 0% |
| Jun-08 | 2757 | 2706 | 2762 | 0.2% | 56 | 2% |
| Jul-08 | 2173 | 2165 | 2243 | 3.2% | 78 | 3% |
| Aug-08 | 3423 | 3312 | 3420 | -0.1% | 108 | 3% |
| Sep-08 | 2763 | 2488 | 2758 | -0.2% | 271 | 10% |
| Oct-08 | 3240 | 3091 | 3238 | 0.0% | 147 | 5% |
| Nov-08 | 3862 | 3844 | 3866 | 0.1% | 22 | 1% |
| Dec-08 | 4274 | 4208 | 4200 | -1.7% | -8 | 0% |
| Tot 2008 | 40374 | 39588 | 40362 | 0.0% | 774 | 2% |

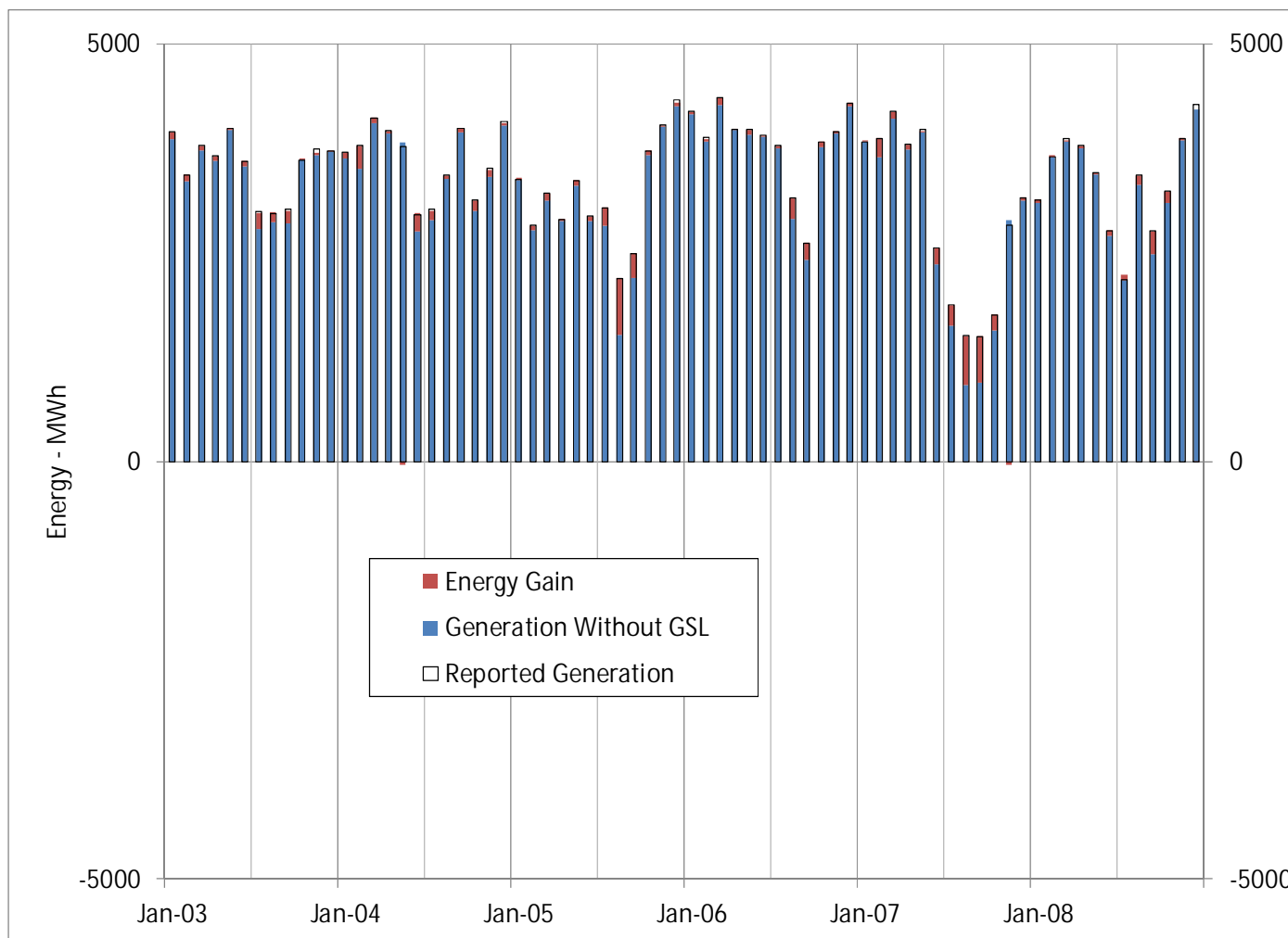


Figure 41. Monthly Generation and Energy Gains Plot for the Green Island Facility

3.0 ASSESSMENT OF HEADWATER BENEFITS

Headwater benefits assessments are a function of both energy gains due to the regulation by the headwater project and the section 10(f) costs. Section 10(f) costs are defined as the annual interest, depreciation, and maintenance costs of a headwater project's joint-use facilities allocated to the power function. These costs are apportioned among the headwater project and downstream beneficiaries based on the energy gains computed for the assessment period.

3.1 Determination of Section 10(f) Costs

To determine the annual headwater project costs to be used in the cost allocation in the Hudson River Basin, the Hudson River-Black River Regulating District was asked to provide capital cost, interest rate, and annual maintenance costs for the Conklingville Dam-Great Sacandaga Lake headwater project. The original capital costs and maintenance costs for the period 1930 through 2008 were provided by the District on November 1, 2011. According to the filing there were capital improvements made to the project in 2007 and 2008 which were paid with reserve funds.

If power is not an authorized function of a headwater project, the Commission's regulations at 18 C.F.R. §11.2 (b) (2), stipulate that the section 10(f) cost is the annual interest, maintenance, and depreciation portion of the headwater project costs designated as the joint-use power cost, derived by deeming a power function. The value of benefits assigned to the deemed power function, for purposes of remaining benefits of the joint-use power cost is the total value of downstream energy gains. The total value of energy gains means the lesser of:

- (i) The cost of generating an equivalent amount of electricity at the most likely alternative at the time the headwater project became operational; or
- (ii) The incremental cost of installing electrical generation at the headwater project at the time the headwater project became operational.

The Separable Costs-Remaining Benefits method of allocating the costs among the functions at a project is the preferred method used by federal agencies engaged in water resources planning and development. Accordingly, the Commission uses the same method to allocate project costs under the Commission's regulations at 18 CFR §11.12(b)(2). The portion of the cost allocated to power is a function of the average annual gains during the assessment period and the value of replacement energy at the time the headwater project was constructed, along with the alternative cost of a headwater project.

In order to make an allocation to the power function, the value of energy gains at the downstream projects from the most likely alternative has to be computed. The most likely alternative at the time the Conklingville Dam-Sacandaga Lake became operational in 1930 is assumed to be from steam electric plants. The earliest publication found from which we could extract the 1930 value of energy from steam electric plants was the 1937 publication of the Federal Power Commission Statistics of Electric Utilities in the United States, Privately owned, Classes A and B.

Those 1937 values of energy from steam electric plants in New York are shown in Table 22 below.

Table 22.

| Steam Electric Production Costs – 1937 | | | | |
|--|----------|------------|---------------------|--------------|
| Company | Capacity | Generation | Production Expenses | Energy Value |
| | kW | MWh | \$ | \$/MWh |
| Long Island Lighting Co. | 133,500 | 263,658 | 1,106,339 | 4.20 |
| Consolidated Edison Co. of NY | 1,320 | 6,108,670 | 18,397,314 | 3.01 |
| New York State Elec. & Gas Corp. | 80,995 | 354,813 | 1,598,509 | 4.51 |

The average value of energy from the steam electric plants in Table 1 is \$3.906/MWh or 3.906 mills/kWh. Using the Bureau of Labor Statistics CPI calculator (<http://data.bls.gov/cgi-bin/cpicalc.pl>), the corresponding 1930 value was computed to be 4.53 mills/kWh.

The calculations for the portion of the cost allocated to power are as follows.

Table 23.

Allocation of Joint-Use Costs - 1930

Conklingville Dam and Sacandaga Lake Project

| | |
|--------------------------------------|-----------|
| Interest (@4.5% on \$12,104,830) | \$544,717 |
| Depreciation (Economic Life 100 yrs) | \$121,048 |
| Average Maintenance ⁷ | \$ 45,130 |
| Total Annual Cost | \$710,895 |

⁷ Average value of maintenance costs for the period 1930 through 2001 indexed to 1930 dollars.

| | Joint-Use Function | Power Function | Total |
|----------------------------|--------------------|---------------------|-------------|
| 1. Benefits | <u>2/</u> | \$621,697 <u>3/</u> | |
| 2. Alternate Costs | \$ 710,895 | \$ 621,697 | \$1,332,592 |
| 3. Lesser of 1& 2 | \$ 710,895 | \$ 621,697 | \$1,332,592 |
| 4. Separable Costs | 0 | 0 | |
| 5. Remaining Benefits | \$710,895 | \$ 621,697 | \$1,332,592 |
| 6. % of Remaining Benefits | 53.35 | 46.65 | 100.00 |
| 7. Allocated Joint Cost | \$379,262 | \$ 331,633 | \$710,895 |

2/ Benefits were assumed to be greater than the annual joint-use cost of the project.

3/ Power benefits were based on 137,240 MWh of energy gains at 4.53 mills/kWh (Based on average steam production costs in 1937 of three utilities in New York State indexed to 1930).

3.2 Headwater Benefits Assessments

Apportionment of the annual section 10(f) costs between the headwater project and downstream projects was made in accordance with the formula under the Commission's regulations at 18 CFR §11.1, as shown below.

$$P = C_p \times \frac{E_n}{E_j + E_d}$$

In which P = annual payment to be made for headwater benefits received by a downstream project,

C_p = annual section 10(f) cost of the headwater project,

E_n = annual energy gains received at a downstream project, or group of projects if owned by one entity,

E_d = annual energy gains received at all downstream projects

E_j = portion of the annual energy generated at the headwater project assigned to the joint-use power cost.

$$E_j = E \times \frac{C_j}{C}$$

and

where E = total energy at the headwater project site,

C_j = total investment cost assigned to the headwater project

joint-use power facilities, and

C = total investment cost assigned to headwater project power facilities, including both joint-use and specific facilities.

The Conklingville Dam-Great Sacandaga Lake headwater project has no power at the site. Therefore, E_j in the apportionment formula is zero, and the annual costs of interest, depreciation, and maintenance to be borne by power are apportioned solely among the downstream beneficiaries. The section 10(f) costs of the headwater projects are apportioned among the beneficiaries based on the energy gains received.

According to the Commission's regulations at 18 CFR 11.11(b)(5):

No final charge assessed by the Commission under this subpart may exceed 85 percent of the value of the energy gains. If a party demonstrates, within the time specified in Sec. 11.17(b)(3) for response to a preliminary assessment that any final charge assessed under this subpart, not including the cost of the investigation assessed under Sec. 11.17(c), exceeds 85 percent of the value of the energy gains provided to the downstream project for the period for which the charge is assessed, the Commission will reduce the charge to not more than 85 percent of the value. For purposes of this paragraph, the value of the energy gains is the cost of obtaining an equivalent amount of electricity from the most likely alternative source during the period for which the charge is assessed.

In summary, the final headwater benefits charge is the lesser of:

- 85 percent of the value of energy gains; or
- The allocated joint-use apportioned to power.

To determine the 85 percent value of the energy gains during the assessment period of 2002 through 2008, the values of replacement energy were obtained from the beneficiaries. Headwater benefits assessments to each beneficiary during the period 2002 through 2008 are summarized in Table 24. Details of the of the headwater benefits assessment calculations are included in Appendix B.

Table 24
Headwater Benefits Assessments
Hudson River Basin
2002-2008

| Year | 10(f) Cost | 10(f) Cost to Power | Erie Boulevard | Curtis Electric Company | Glenns Falls Ptnsp. | Northern Electric Co. | Fort Miller Assos. | Still Water Assos. | NY State. Elec. & Gas | Albany Engg Co. | Island Power |
|--------|-------------|---------------------|----------------|-------------------------|---------------------|-----------------------|--------------------|--------------------|-----------------------|-----------------|--------------|
| 2002 | \$1,671,891 | \$779,937 | \$103,317 | \$36,609 | \$21,270 | \$21,083 | \$1,848 | \$850 | \$6,959 | \$1,313 | \$1,736 |
| 2003 | \$1,453,252 | \$677,942 | \$336,177 | \$145,189 | \$82,856 | \$61,267 | \$8,785 | \$3,963 | \$32,765 | \$0 | \$6,936 |
| 2004 | \$1,382,588 | \$644,977 | \$356,094 | \$121,753 | \$65,758 | \$64,106 | \$1,945 | \$1,623 | \$27,533 | \$1,834 | \$4,332 |
| 2005 | \$1,103,280 | \$514,680 | \$276,858 | \$93,506 | \$51,290 | \$54,161 | \$5,958 | \$1,827 | \$22,203 | \$3,931 | \$4,947 |
| 2006 | \$937,131 | \$437,172 | \$239,538 | \$80,094 | \$52,859 | \$54,339 | \$3,963 | \$1,231 | \$0 | \$2,625 | \$2,523 |
| 2007 | \$867,296 | \$404,594 | \$218,028 | \$67,789 | \$38,776 | \$46,705 | \$4,252 | \$2,788 | \$16,527 | \$4,654 | \$5,075 |
| 2008 | \$776,121 | \$362,060 | \$167,758 | \$78,891 | \$48,069 | \$38,191 | \$4,452 | \$1,925 | \$16,176 | \$3,610 | \$2,987 |
| Totals | \$8,191,559 | \$3,821,362 | \$1,697,770 | \$623,832 | \$360,878 | \$339,852 | \$31,203 | \$14,208 | \$122,164 | \$17,967 | \$28,535 |

Note: Assessments for 2002 are prorated for three months since the Headwater Project was licensed in September 25, 2002.

3.3 Study Cost

The Commission's regulations at 18 CFR section 11.17(c)(2) state:

If any owner of a headwater or downstream project requests that the Commission determine headwater benefits charges provided by non-federal headwater projects, the headwater project owner must pay a pro rata share of 50 percent of the cost of making the investigation and determination in proportion to benefits provided by the projects, and the downstream owners must pay a pro rata share of the remaining 50 percent in proportion to the energy gains received by their projects.

The cost to determine the headwater benefits assessments in the Hudson River Basins is \$304,785 of which \$152,392 (50% of study cost) is to be borne by the owner of the headwater project, the Hudson River-Black River Regulating District. The remaining \$152,392 is apportioned among the downstream project owners in proportion to the energy gains received as shown in Table 25.

Table 25

Hudson River Basin Headwater Benefits Determination

Apportionment of Study Costs

| Beneficiary | Energy Gains MWh | Study Costs |
|--|---------------------|-------------|
| Hudson River-Black River Regulating District | NA | \$152,392 |
| Erie Boulevard | 509,038 | \$80,748 |
| Curtis Electric Co. | 180,372 | \$28,612 |
| South Glens Falls Partnership | 104,796 | \$16,624 |
| Northern Electric Power Co. | 103,876 | \$16,478 |
| Fort Miller Associates | 9,105 | \$1,444 |
| Still Water Associates | 4,188 | \$664 |
| NY State Electric & Gas Co. | 34,289 | \$5,439 |
| Albany Engineering Co. | 6,467 | \$1,026 |
| Green Island Power Co. | 8,552 | \$1,357 |
| Totals | 960,683 | 304,784 |

APPENDIX A – HWBEG INPUT FILES

HWBEG Input File for E.J. West

```

'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
02
'EJWEST' 'GENERAL' 20

'CURVE01' 125 13      | 03 0608 03 0608      | 03 0715 03 0715      | 03 1220 03 1220
0 0                    | 03 0610 03 0610      | 03 0717 03 0717      | 03 1223 03 1223
03 0425 03 0425      | 03 0611 03 0611      | 03 0726 03 0726      | 03 1230 03 1230
03 0427 03 0427      | 03 0616 03 0616      | 03 0730 03 0730      | 03 1231 03 1231
03 0516 03 0516      | 03 0624 03 0624      | 03 0801 03 0801      | 04 0101 04 0101
03 0517 03 0517      | 03 0626 03 0626      | 03 0808 03 0808      | 04 0105 04 0105
03 0518 03 0518      | 03 0627 03 0627      | 03 1108 03 1108      | 04 0107 04 0107
03 0521 03 0521      | 03 0628 03 0628      | 03 1113 03 1113      | 04 0528 04 0528
03 0522 03 0522      | 03 0701 03 0701      | 03 1127 03 1127      | 04 0529 04 0529
03 0523 03 0523      | 03 0702 03 0702      | 03 1128 03 1128      | 04 0530 04 0530
03 0525 03 0525      | 03 0703 03 0703      | 03 1202 03 1202      | 04 0531 04 0531
03 0526 03 0526      | 03 0705 03 0705      | 03 1203 03 1203      | 04 0601 04 0601
03 0527 03 0527      | 03 0706 03 0706      | 03 1204 03 1204      | 04 0602 04 0602
03 0528 03 0528      | 03 0707 03 0707      | 03 1206 03 1206      | 04 0603 04 0603
03 0530 03 0530      | 03 0708 03 0708      | 03 1214 03 1214      | 04 0604 04 0604
03 0602 03 0602      | 03 0710 03 0710      | 03 1215 03 1215      | 04 0605 04 0605
03 0604 03 0604      | 03 0712 03 0712      | 03 1216 03 1216      | 04 0606 04 0606
03 0605 03 0605      | 03 0714 03 0714      | 03 1217 03 1217      | 04 0607 04 0607

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| | | | | | | |
|------------------|---------|------------------|---------|---------|------------------|---------|
| 04 0608 | 04 0608 | 30000.00 583.387 | 04 0613 | 04 0613 | 06 0716 | 06 0716 |
| 04 0609 | 04 0609 | 45000.00 583.387 | 04 0615 | 04 0615 | 06 0724 | 06 0724 |
| 04 0610 | 04 0610 | 75000.00 583.387 | 04 0619 | 04 0619 | 06 1105 | 06 1105 |
| 04 0611 | 04 0611 | 117000.00 | 04 0621 | 04 0621 | 06 1116 | 06 1116 |
| 04 0612 | 04 0612 | 583.387 | 04 0623 | 04 0623 | 06 1205 | 06 1205 |
| 04 0614 | 04 0614 | 150000.00 | 04 0630 | 04 0630 | 06 1207 | 06 1207 |
| 04 0616 | 04 0616 | 583.387 | 04 0701 | 04 0701 | 06 1209 | 06 1209 |
| 04 0617 | 04 0617 | 'CURVE02' 155 13 | 04 0703 | 04 0703 | 06 1229 | 06 1229 |
| 04 0618 | 04 0618 | 0 0 | 04 0706 | 04 0706 | 07 0507 | 07 0507 |
| 04 0620 | 04 0620 | 03 0426 03 0426 | 04 0710 | 04 0710 | 07 0512 | 07 0512 |
| 04 0625 | 04 0625 | 03 0508 03 0508 | 04 0714 | 04 0714 | 07 0513 | 07 0513 |
| 04 0626 | 04 0626 | 03 0511 03 0511 | 04 0718 | 04 0718 | 07 0514 | 07 0514 |
| 04 0627 | 04 0627 | 03 0519 03 0519 | 04 0722 | 04 0722 | 07 0528 | 07 0528 |
| 04 0628 | 04 0628 | 03 0524 03 0524 | 04 0727 | 04 0727 | 07 0531 | 07 0531 |
| 04 0704 | 04 0704 | 03 0529 03 0529 | 04 0803 | 04 0803 | 07 0603 | 07 0603 |
| 04 0707 | 04 0707 | 03 0531 03 0531 | 04 0804 | 04 0804 | 07 0613 | 07 0613 |
| 04 0709 | 04 0709 | 03 0603 03 0603 | 04 0805 | 04 0805 | 07 0615 | 07 0615 |
| 04 0711 | 04 0711 | 03 0609 03 0609 | 04 0807 | 04 0807 | 07 0617 | 07 0617 |
| 04 0712 | 04 0712 | 03 0612 03 0612 | 04 0808 | 04 0808 | 08 0417 | 08 0417 |
| 04 0713 | 04 0713 | 03 0613 03 0613 | 04 0809 | 04 0809 | 08 0419 | 08 0419 |
| 04 0724 | 04 0724 | 03 0615 03 0615 | 04 0818 | 04 0818 | 08 0508 | 08 0508 |
| 04 0726 | 04 0726 | 03 0620 03 0620 | 04 0820 | 04 0820 | 08 0516 | 08 0516 |
| 04 0731 | 04 0731 | 03 0621 03 0621 | 04 0823 | 04 0823 | 08 0522 | 08 0522 |
| 04 0801 | 04 0801 | 03 0622 03 0622 | 04 0901 | 04 0901 | 08 0525 | 08 0525 |
| 04 0802 | 04 0802 | 03 0629 03 0629 | 05 0512 | 05 0512 | 08 0528 | 08 0528 |
| 04 0819 | 04 0819 | 03 0630 03 0630 | 05 0514 | 05 0514 | 08 0604 | 08 0604 |
| 04 1225 | 04 1225 | 03 0709 03 0709 | 05 0523 | 05 0523 | 08 0607 | 08 0607 |
| 05 0518 | 05 0518 | 03 0716 03 0716 | 05 0528 | 05 0528 | 08 0618 | 08 0618 |
| 05 0527 | 05 0527 | 03 0718 03 0718 | 05 0530 | 05 0530 | 08 0619 | 08 0619 |
| 05 0531 | 05 0531 | 03 0722 03 0722 | 05 0601 | 05 0601 | 08 0621 | 08 0621 |
| 05 0623 | 05 0623 | 03 0724 03 0724 | 05 0602 | 05 0602 | 08 0623 | 08 0623 |
| 06 0126 | 06 0126 | 03 0728 03 0728 | 05 0624 | 05 0624 | 08 0624 | 08 0624 |
| 06 0206 | 06 0206 | 03 0729 03 0729 | 05 0703 | 05 0703 | 08 0630 | 08 0630 |
| 06 0209 | 06 0209 | 03 0731 03 0731 | 05 0705 | 05 0705 | 08 0701 | 08 0701 |
| 06 0429 | 06 0429 | 03 0807 03 0807 | 05 0708 | 05 0708 | 08 0702 | 08 0702 |
| 06 0523 | 06 0523 | 03 0819 03 0819 | 05 0728 | 05 0728 | 08 0704 | 08 0704 |
| 06 0526 | 06 0526 | 03 0820 03 0820 | 05 1121 | 05 1121 | 08 0718 | 08 0718 |
| 06 0531 | 06 0531 | 03 0822 03 0822 | 05 1207 | 05 1207 | 08 0728 | 08 0728 |
| 06 0601 | 06 0601 | 03 0824 03 0824 | 06 0202 | 06 0202 | 0.00 0.000 | |
| 06 0602 | 06 0602 | 03 0825 03 0825 | 06 0203 | 06 0203 | 2000.00 203.976 | |
| 06 1005 | 06 1005 | 03 0827 03 0827 | 06 0210 | 06 0210 | 4306.00 472.954 | |
| 06 1115 | 06 1115 | 03 0828 03 0828 | 06 0211 | 06 0211 | 5100.00 527.429 | |
| 06 1204 | 06 1204 | 03 1109 03 1109 | 06 0212 | 06 0212 | 7220.00 555.189 | |
| 07 0606 | 07 0606 | 03 1111 03 1111 | 06 0219 | 06 0219 | 8248.00 556.256 | |
| 07 0616 | 07 0616 | 03 1126 03 1126 | 06 0425 | 06 0425 | 16805.00 561.595 | |
| 08 0507 | 08 0507 | 03 1205 03 1205 | 06 0430 | 06 0430 | 25713.00 561.595 | |
| 08 0530 | 08 0530 | 03 1208 03 1208 | 06 0501 | 06 0501 | 30000.00 561.595 | |
| 08 0602 | 08 0602 | 03 1209 03 1209 | 06 0502 | 06 0502 | 45000.00 561.595 | |
| 08 0603 | 08 0603 | 03 1219 03 1219 | 06 0503 | 06 0503 | 75000.00 561.595 | |
| 08 0606 | 08 0606 | 03 1221 03 1221 | 06 0504 | 06 0504 | 117000.00 | |
| 08 0609 | 08 0609 | 03 1222 03 1222 | 06 0524 | 06 0524 | 561.595 | |
| 08 0617 | 08 0617 | 03 1226 03 1226 | 06 0525 | 06 0525 | 150000.00 | |
| 08 0628 | 08 0628 | 03 1227 03 1227 | 06 0527 | 06 0527 | 561.595 | |
| 08 0712 | 08 0712 | 03 1228 03 1228 | 06 0528 | 06 0528 | 'CURVE03' 202 13 | |
| 08 0809 | 08 0809 | 04 0102 04 0102 | 06 0529 | 06 0529 | 0 0 | |
| 0.00 0.000 | | 04 0103 04 0103 | 06 0603 | 06 0603 | 03 0503 03 0503 | |
| 2000.00 211.891 | | 04 0106 04 0106 | 06 0608 | 06 0608 | 03 0507 03 0507 | |
| 4306.00 491.307 | | 04 0108 04 0108 | 06 0609 | 06 0609 | 03 0510 03 0510 | |
| 5100.00 547.896 | | 04 0109 04 0109 | 06 0610 | 06 0610 | 03 0512 03 0512 | |
| 7220.00 576.733 | | 04 0110 04 0110 | 06 0613 | 06 0613 | 03 0606 03 0606 | |
| 8248.00 577.842 | | 04 0111 04 0111 | 06 0615 | 06 0615 | 03 0625 03 0625 | |
| 16805.00 583.387 | | 04 0113 04 0113 | 06 0706 | 06 0706 | 03 0719 03 0719 | |
| 25713.00 583.387 | | 04 0121 04 0121 | 06 0714 | 06 0714 | 03 0720 03 0720 | |

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|---------|---------|---------|---------|---------|---------|-----------|---------|
| 03 0723 | 03 0723 | 05 0716 | 05 0716 | 06 0821 | 06 0821 | 08 0901 | 08 0901 |
| 03 0727 | 03 0727 | 05 0717 | 05 0717 | 06 0823 | 06 0823 | 08 0905 | 08 0905 |
| 03 0805 | 03 0805 | 05 0727 | 05 0727 | 06 0907 | 06 0907 | 08 0907 | 08 0907 |
| 03 0810 | 03 0810 | 05 0808 | 05 0808 | 06 1004 | 06 1004 | 08 0908 | 08 0908 |
| 03 0815 | 03 0815 | 05 0809 | 05 0809 | 06 1106 | 06 1106 | 08 0911 | 08 0911 |
| 03 0821 | 03 0821 | 05 0812 | 05 0812 | 06 1110 | 06 1110 | 0.00 | 0.000 |
| 03 0823 | 03 0823 | 05 1101 | 05 1101 | 06 1112 | 06 1112 | 2000.00 | 196.175 |
| 03 0831 | 03 0831 | 05 1104 | 05 1104 | 06 1126 | 06 1126 | 4306.00 | 454.865 |
| 03 0902 | 03 0902 | 05 1105 | 05 1105 | 06 1127 | 06 1127 | 5100.00 | 507.258 |
| 03 0903 | 03 0903 | 05 1109 | 05 1109 | 06 1130 | 06 1130 | 7220.00 | 533.955 |
| 03 0907 | 03 0907 | 05 1113 | 05 1113 | 06 1201 | 06 1201 | 8248.00 | 534.982 |
| 03 0911 | 03 0911 | 05 1127 | 05 1127 | 06 1208 | 06 1208 | 16805.00 | 540.116 |
| 03 0915 | 03 0915 | 05 1128 | 05 1128 | 06 1211 | 06 1211 | 25713.00 | 540.116 |
| 03 0916 | 03 0916 | 05 1129 | 05 1129 | 06 1212 | 06 1212 | 30000.00 | 540.116 |
| 03 0918 | 03 0918 | 05 1202 | 05 1202 | 06 1214 | 06 1214 | 45000.00 | 540.116 |
| 03 0922 | 03 0922 | 05 1204 | 05 1204 | 06 1215 | 06 1215 | 75000.00 | 540.116 |
| 03 1001 | 03 1001 | 05 1205 | 05 1205 | 06 1217 | 06 1217 | 117000.00 | |
| 03 1002 | 03 1002 | 05 1206 | 05 1206 | 06 1220 | 06 1220 | 540.116 | |
| 03 1006 | 03 1006 | 05 1208 | 05 1208 | 06 1230 | 06 1230 | 150000.00 | |
| 03 1013 | 03 1013 | 05 1213 | 05 1213 | 06 1231 | 06 1231 | 540.116 | |
| 03 1110 | 03 1110 | 06 0128 | 06 0128 | 07 0102 | 07 0102 | 'CURVE04' | 165 13 |
| 03 1115 | 03 1115 | 06 0201 | 06 0201 | 07 0104 | 07 0104 | 0 0 | |
| 03 1118 | 03 1118 | 06 0207 | 06 0207 | 07 0508 | 07 0508 | 03 0509 | 03 0509 |
| 03 1119 | 03 1119 | 06 0213 | 06 0213 | 07 0511 | 07 0511 | 03 0520 | 03 0520 |
| 03 1125 | 03 1125 | 06 0221 | 06 0221 | 07 0515 | 07 0515 | 03 0601 | 03 0601 |
| 03 1129 | 03 1129 | 06 0222 | 06 0222 | 07 0517 | 07 0517 | 03 0607 | 03 0607 |
| 03 1218 | 03 1218 | 06 0224 | 06 0224 | 07 0518 | 07 0518 | 03 0614 | 03 0614 |
| 03 1224 | 03 1224 | 06 0316 | 06 0316 | 07 0520 | 07 0520 | 03 0617 | 03 0617 |
| 04 0104 | 04 0104 | 06 0409 | 06 0409 | 07 0524 | 07 0524 | 03 0618 | 03 0618 |
| 04 0112 | 04 0112 | 06 0411 | 06 0411 | 07 0607 | 07 0607 | 03 0619 | 03 0619 |
| 04 0116 | 04 0116 | 06 0412 | 06 0412 | 07 0610 | 07 0610 | 03 0704 | 03 0704 |
| 04 0117 | 04 0117 | 06 0417 | 06 0417 | 07 0614 | 07 0614 | 03 0711 | 03 0711 |
| 04 0629 | 04 0629 | 06 0418 | 06 0418 | 07 0618 | 07 0618 | 03 0713 | 03 0713 |
| 04 0708 | 04 0708 | 06 0419 | 06 0419 | 07 0619 | 07 0619 | 03 0725 | 03 0725 |
| 04 0716 | 04 0716 | 06 0421 | 06 0421 | 07 0627 | 07 0627 | 03 0803 | 03 0803 |
| 04 0721 | 04 0721 | 06 0506 | 06 0506 | 07 0628 | 07 0628 | 03 0804 | 03 0804 |
| 04 0725 | 04 0725 | 06 0507 | 06 0507 | 07 0707 | 07 0707 | 03 0806 | 03 0806 |
| 04 0728 | 04 0728 | 06 0508 | 06 0508 | 07 0708 | 07 0708 | 03 0809 | 03 0809 |
| 04 0729 | 04 0729 | 06 0514 | 06 0514 | 07 0709 | 07 0709 | 03 0811 | 03 0811 |
| 04 0806 | 04 0806 | 06 0519 | 06 0519 | 07 0710 | 07 0710 | 03 0813 | 03 0813 |
| 04 0810 | 04 0810 | 06 0520 | 06 0520 | 07 0713 | 07 0713 | 03 0817 | 03 0817 |
| 04 0824 | 04 0824 | 06 0605 | 06 0605 | 08 0418 | 08 0418 | 03 0818 | 03 0818 |
| 04 0826 | 04 0826 | 06 0618 | 06 0618 | 08 0424 | 08 0424 | 03 0826 | 03 0826 |
| 04 0827 | 04 0827 | 06 0621 | 06 0621 | 08 0426 | 08 0426 | 03 0829 | 03 0829 |
| 04 0904 | 04 0904 | 06 0622 | 06 0622 | 08 0428 | 08 0428 | 03 0901 | 03 0901 |
| 04 0907 | 04 0907 | 06 0623 | 06 0623 | 08 0506 | 08 0506 | 03 0904 | 03 0904 |
| 04 0917 | 04 0917 | 06 0625 | 06 0625 | 08 0515 | 08 0515 | 03 0908 | 03 0908 |
| 04 1006 | 04 1006 | 06 0701 | 06 0701 | 08 0517 | 08 0517 | 03 0910 | 03 0910 |
| 04 1228 | 04 1228 | 06 0709 | 06 0709 | 08 0524 | 08 0524 | 03 1007 | 03 1007 |
| 05 0506 | 05 0506 | 06 0710 | 06 0710 | 08 0613 | 08 0613 | 03 1018 | 03 1018 |
| 05 0510 | 05 0510 | 06 0712 | 06 0712 | 08 0615 | 08 0615 | 03 1117 | 03 1117 |
| 05 0520 | 05 0520 | 06 0717 | 06 0717 | 08 0714 | 08 0714 | 03 1207 | 03 1207 |
| 05 0604 | 05 0604 | 06 0718 | 06 0718 | 08 0717 | 08 0717 | 03 1210 | 03 1210 |
| 05 0609 | 05 0609 | 06 0720 | 06 0720 | 08 0727 | 08 0727 | 04 0114 | 04 0114 |
| 05 0626 | 05 0626 | 06 0721 | 06 0721 | 08 0730 | 08 0730 | 04 0115 | 04 0115 |
| 05 0628 | 05 0628 | 06 0725 | 06 0725 | 08 0731 | 08 0731 | 04 0622 | 04 0622 |
| 05 0629 | 05 0629 | 06 0726 | 06 0726 | 08 0801 | 08 0801 | 04 0705 | 04 0705 |
| 05 0701 | 05 0701 | 06 0727 | 06 0727 | 08 0811 | 08 0811 | 04 0715 | 04 0715 |
| 05 0706 | 05 0706 | 06 0728 | 06 0728 | 08 0812 | 08 0812 | 04 0717 | 04 0717 |
| 05 0709 | 05 0709 | 06 0804 | 06 0804 | 08 0813 | 08 0813 | 04 0719 | 04 0719 |
| 05 0710 | 05 0710 | 06 0813 | 06 0813 | 08 0817 | 08 0817 | 04 0720 | 04 0720 |
| 05 0712 | 05 0712 | 06 0816 | 06 0816 | 08 0820 | 08 0820 | 04 0723 | 04 0723 |
| 05 0713 | 05 0713 | 06 0817 | 06 0817 | 08 0823 | 08 0823 | 04 0730 | 04 0730 |

| | | | | | | | |
|---------|---------|---------|---------|-----------|---------|---------|---------|
| 04 0815 | 04 0815 | 06 0715 | 06 0715 | 4306.00 | 462.878 | 04 0905 | 04 0905 |
| 04 0816 | 04 0816 | 06 0719 | 06 0719 | 5100.00 | 516.193 | 04 0910 | 04 0910 |
| 04 0821 | 04 0821 | 06 0730 | 06 0730 | 7220.00 | 543.361 | 04 0912 | 04 0912 |
| 04 0822 | 04 0822 | 06 0916 | 06 0916 | 8248.00 | 544.405 | 04 0913 | 04 0913 |
| 04 0830 | 04 0830 | 06 1107 | 06 1107 | 16805.00 | 549.630 | 04 0915 | 04 0915 |
| 04 0911 | 04 0911 | 06 1108 | 06 1108 | 25713.00 | 549.630 | 04 0916 | 04 0916 |
| 04 0914 | 04 0914 | 06 1114 | 06 1114 | 30000.00 | 549.630 | 04 0918 | 04 0918 |
| 05 0513 | 05 0513 | 06 1122 | 06 1122 | 45000.00 | 549.630 | 04 0919 | 04 0919 |
| 05 0515 | 05 0515 | 06 1123 | 06 1123 | 75000.00 | 549.630 | 04 0920 | 04 0920 |
| 05 0516 | 05 0516 | 06 1124 | 06 1124 | 117000.00 | | 04 0921 | 04 0921 |
| 05 0517 | 05 0517 | 06 1125 | 06 1125 | 549.630 | | 04 0923 | 04 0923 |
| 05 0519 | 05 0519 | 06 1128 | 06 1128 | 150000.00 | | 04 0926 | 04 0926 |
| 05 0522 | 05 0522 | 06 1129 | 06 1129 | 549.630 | | 04 0927 | 04 0927 |
| 05 0524 | 05 0524 | 06 1206 | 06 1206 | 'CURVE05' | 243 13 | 04 0929 | 04 0929 |
| 05 0525 | 05 0525 | 06 1210 | 06 1210 | 0 0 | | 04 1001 | 04 1001 |
| 05 0610 | 05 0610 | 06 1228 | 06 1228 | 03 0429 | 03 0429 | 04 1003 | 04 1003 |
| 05 0627 | 05 0627 | 07 0509 | 07 0509 | 03 0430 | 03 0430 | 04 1004 | 04 1004 |
| 05 0704 | 05 0704 | 07 0510 | 07 0510 | 03 0502 | 03 0502 | 04 1007 | 04 1007 |
| 05 1120 | 05 1120 | 07 0516 | 07 0516 | 03 0504 | 03 0504 | 04 1010 | 04 1010 |
| 05 1123 | 05 1123 | 07 0519 | 07 0519 | 03 0505 | 03 0505 | 04 1013 | 04 1013 |
| 05 1124 | 05 1124 | 07 0521 | 07 0521 | 03 0506 | 03 0506 | 04 1213 | 04 1213 |
| 05 1125 | 05 1125 | 07 0522 | 07 0522 | 03 0513 | 03 0513 | 04 1214 | 04 1214 |
| 05 1126 | 05 1126 | 07 0523 | 07 0523 | 03 0514 | 03 0514 | 04 1231 | 04 1231 |
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| 07 0912 | 07 0912 | 4306.00 | 376.240 | 07 1015 | 07 1015 | 7220.00 | 424.913 |
| 07 0913 | 07 0913 | 5100.00 | 419.575 | 07 1017 | 07 1017 | 8248.00 | 425.730 |
| 07 0914 | 07 0914 | 7220.00 | 441.658 | 07 1105 | 07 1105 | 16805.00 | 429.816 |
| 07 0916 | 07 0916 | 8248.00 | 442.508 | 07 1108 | 07 1108 | 25713.00 | 429.816 |
| 07 0917 | 07 0917 | 16805.00 | 446.754 | 07 1110 | 07 1110 | 30000.00 | 429.816 |
| 07 0918 | 07 0918 | 25713.00 | 446.754 | 07 1114 | 07 1114 | 45000.00 | 429.816 |
| 07 0919 | 07 0919 | 30000.00 | 446.754 | 07 1120 | 07 1120 | 75000.00 | 429.816 |
| 07 0920 | 07 0920 | 45000.00 | 446.754 | 07 1124 | 07 1124 | 117000.00 | |
| 07 0921 | 07 0921 | 75000.00 | 446.754 | 07 1128 | 07 1128 | 429.816 | |
| 07 0923 | 07 0923 | 117000.00 | | 07 1129 | 07 1129 | 150000.00 | |
| 07 0924 | 07 0924 | 446.754 | | 07 1130 | 07 1130 | 429.816 | |
| 07 0926 | 07 0926 | 150000.00 | | 07 1201 | 07 1201 | 'CURVE11' | 106 13 |
| 07 0929 | 07 0929 | 446.754 | | 07 1202 | 07 1202 | 0 0 | |
| 07 1004 | 07 1004 | 'CURVE10' | 107 13 | 07 1203 | 07 1203 | 03 0130 | 03 0130 |
| 07 1117 | 07 1117 | 0 0 | | 07 1211 | 07 1211 | 03 0208 | 03 0208 |
| 07 1118 | 07 1118 | 03 0131 | 03 0131 | 08 0107 | 08 0107 | 03 0212 | 03 0212 |
| 07 1119 | 07 1119 | 03 0202 | 03 0202 | 08 0115 | 08 0115 | 03 0214 | 03 0214 |
| 07 1125 | 07 1125 | 03 0203 | 03 0203 | 08 0121 | 08 0121 | 03 0215 | 03 0215 |
| 08 0116 | 08 0116 | 03 0209 | 03 0209 | 08 0123 | 08 0123 | 03 0217 | 03 0217 |
| 08 0118 | 08 0118 | 03 0222 | 03 0222 | 08 0124 | 08 0124 | 03 0218 | 03 0218 |
| 08 0119 | 08 0119 | 03 0226 | 03 0226 | 08 0125 | 08 0125 | 03 0219 | 03 0219 |
| 08 0120 | 08 0120 | 03 0303 | 03 0303 | 08 0127 | 08 0127 | 03 0302 | 03 0302 |
| 08 0122 | 08 0122 | 03 1106 | 03 1106 | 08 0129 | 08 0129 | 03 0304 | 03 0304 |
| 08 0307 | 08 0307 | 04 0209 | 04 0209 | 08 0130 | 08 0130 | 03 0312 | 03 0312 |
| 08 0313 | 08 0313 | 04 0211 | 04 0211 | 08 0131 | 08 0131 | 03 0319 | 03 0319 |
| 08 0315 | 08 0315 | 04 0215 | 04 0215 | 08 0210 | 08 0210 | 03 1201 | 03 1201 |
| 08 0319 | 08 0319 | 04 1117 | 04 1117 | 08 0212 | 08 0212 | 03 1212 | 03 1212 |
| 08 0320 | 08 0320 | 04 1128 | 04 1128 | 08 0213 | 08 0213 | 03 1229 | 03 1229 |
| 08 0329 | 08 0329 | 04 1201 | 04 1201 | 08 0220 | 08 0220 | 04 0213 | 04 0213 |
| 08 0331 | 08 0331 | 04 1202 | 04 1202 | 08 0221 | 08 0221 | 04 0221 | 04 0221 |
| 08 0401 | 08 0401 | 05 0207 | 05 0207 | 08 0223 | 08 0223 | 04 1211 | 04 1211 |
| 08 0420 | 08 0420 | 05 0208 | 05 0208 | 08 0421 | 08 0421 | 05 0212 | 05 0212 |
| 08 0422 | 08 0422 | 05 0209 | 05 0209 | 08 0815 | 08 0815 | 05 0213 | 05 0213 |
| 08 0827 | 08 0827 | 05 0210 | 05 0210 | 08 1011 | 08 1011 | 05 0214 | 05 0214 |
| 08 0906 | 08 0906 | 05 0211 | 05 0211 | 08 1012 | 08 1012 | 05 0215 | 05 0215 |
| 08 1018 | 08 1018 | 05 0219 | 05 0219 | 08 1023 | 08 1023 | 05 0216 | 05 0216 |
| 08 1025 | 08 1025 | 05 0220 | 05 0220 | 08 1026 | 08 1026 | 05 0217 | 05 0217 |
| 08 1027 | 08 1027 | 05 0726 | 05 0726 | 08 1110 | 08 1110 | 05 0221 | 05 0221 |
| 08 1029 | 08 1029 | 05 0906 | 05 0906 | 08 1112 | 08 1112 | 05 0526 | 05 0526 |
| 08 1101 | 08 1101 | 06 0517 | 06 0517 | 08 1115 | 08 1115 | 06 0416 | 06 0416 |
| 08 1102 | 08 1102 | 06 1104 | 06 1104 | 08 1117 | 08 1117 | 06 1002 | 06 1002 |
| 08 1104 | 08 1104 | 07 0131 | 07 0131 | 08 1122 | 08 1122 | 07 0203 | 07 0203 |
| 08 1105 | 08 1105 | 07 0201 | 07 0201 | 08 1123 | 08 1123 | 07 0204 | 07 0204 |
| 08 1108 | 08 1108 | 07 0202 | 07 0202 | 08 1125 | 08 1125 | 07 0205 | 07 0205 |
| 08 1109 | 08 1109 | 07 0210 | 07 0210 | 08 1129 | 08 1129 | 07 0218 | 07 0218 |
| 08 1111 | 08 1111 | 07 0211 | 07 0211 | 08 1203 | 08 1203 | 07 0219 | 07 0219 |
| 08 1113 | 08 1113 | 07 0212 | 07 0212 | 08 1205 | 08 1205 | 07 0220 | 07 0220 |
| 08 1119 | 08 1119 | 07 0213 | 07 0213 | 08 1209 | 08 1209 | 07 0221 | 07 0221 |
| 08 1126 | 08 1126 | 07 0214 | 07 0214 | 08 1213 | 08 1213 | 07 0222 | 07 0222 |
| 08 1127 | 08 1127 | 07 0215 | 07 0215 | 08 1216 | 08 1216 | 07 0223 | 07 0223 |
| 08 1202 | 08 1202 | 07 0216 | 07 0216 | 08 1217 | 08 1217 | 07 0224 | 07 0224 |
| 08 1206 | 08 1206 | 07 0217 | 07 0217 | 08 1220 | 08 1220 | 07 0225 | 07 0225 |
| 08 1207 | 08 1207 | 07 0911 | 07 0911 | 08 1221 | 08 1221 | 07 0928 | 07 0928 |
| 08 1208 | 08 1208 | 07 0925 | 07 0925 | 08 1222 | 08 1222 | 07 1002 | 07 1002 |
| 08 1211 | 08 1211 | 07 0930 | 07 0930 | 08 1223 | 08 1223 | 07 1008 | 07 1008 |
| 08 1212 | 08 1212 | 07 1001 | 07 1001 | 08 1224 | 08 1224 | 07 1011 | 07 1011 |
| 08 1214 | 08 1214 | 07 1003 | 07 1003 | 08 1225 | 08 1225 | 07 1018 | 07 1018 |
| 08 1215 | 08 1215 | 07 1005 | 07 1005 | 08 1226 | 08 1226 | 07 1019 | 07 1019 |
| 08 1218 | 08 1218 | 07 1006 | 07 1006 | 08 1228 | 08 1228 | 07 1022 | 07 1022 |
| 08 1227 | 08 1227 | 07 1007 | 07 1007 | 0.00 | 0.000 | 07 1104 | 07 1104 |
| 08 1230 | 08 1230 | 07 1010 | 07 1010 | 2000.00 | 156.113 | 07 1107 | 07 1107 |
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| 07 1122 | 07 1122 | 75000.00 | 412.692 | 07 1111 | 07 1111 | 04 0311 | 04 0311 |
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| 07 1127 | 07 1127 | 412.692 | | 07 1207 | 07 1207 | 04 0313 | 04 0313 |
| 07 1204 | 07 1204 | 150000.00 | | 07 1209 | 07 1209 | 04 0314 | 04 0314 |
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| 07 1210 | 07 1210 | 03 0213 | 03 0213 | 07 1217 | 07 1217 | 04 1129 | 04 1129 |
| 07 1212 | 07 1212 | 03 0216 | 03 0216 | 07 1219 | 07 1219 | 04 1224 | 04 1224 |
| 07 1215 | 07 1215 | 03 0220 | 03 0220 | 07 1223 | 07 1223 | 05 0302 | 05 0302 |
| 07 1220 | 07 1220 | 03 0221 | 03 0221 | 07 1224 | 07 1224 | 05 0303 | 05 0303 |
| 07 1221 | 07 1221 | 03 0223 | 03 0223 | 07 1227 | 07 1227 | 05 0304 | 05 0304 |
| 07 1222 | 07 1222 | 03 0227 | 03 0227 | 07 1230 | 07 1230 | 05 0305 | 05 0305 |
| 07 1225 | 07 1225 | 03 0228 | 03 0228 | 08 0101 | 08 0101 | 05 0306 | 05 0306 |
| 07 1226 | 07 1226 | 03 0301 | 03 0301 | 08 0102 | 08 0102 | 05 0307 | 05 0307 |
| 07 1228 | 07 1228 | 03 0313 | 03 0313 | 08 0108 | 08 0108 | 05 0308 | 05 0308 |
| 07 1229 | 07 1229 | 04 0217 | 04 0217 | 08 0109 | 08 0109 | 05 0309 | 05 0309 |
| 07 1231 | 07 1231 | 04 0218 | 04 0218 | 08 0201 | 08 0201 | 05 0310 | 05 0310 |
| 08 0103 | 08 0103 | 04 0219 | 04 0219 | 08 0205 | 08 0205 | 05 0311 | 05 0311 |
| 08 0104 | 08 0104 | 04 0220 | 04 0220 | 08 0208 | 08 0208 | 05 0312 | 05 0312 |
| 08 0105 | 08 0105 | 04 0222 | 04 0222 | 08 0228 | 08 0228 | 05 0313 | 05 0313 |
| 08 0106 | 08 0106 | 04 0223 | 04 0223 | 08 0304 | 08 0304 | 05 0314 | 05 0314 |
| 08 0126 | 08 0126 | 04 0225 | 04 0225 | 08 0305 | 08 0305 | 05 0315 | 05 0315 |
| 08 0128 | 08 0128 | 04 0226 | 04 0226 | 08 0306 | 08 0306 | 05 0316 | 05 0316 |
| 08 0202 | 08 0202 | 04 0227 | 04 0227 | 08 1201 | 08 1201 | 05 0317 | 05 0317 |
| 08 0203 | 08 0203 | 04 0228 | 04 0228 | 08 1231 | 08 1231 | 05 0318 | 05 0318 |
| 08 0204 | 08 0204 | 04 0229 | 04 0229 | 0.00 | 0.000 | 05 0319 | 05 0319 |
| 08 0206 | 08 0206 | 04 0310 | 04 0310 | 2000.00 | 141.402 | 05 0320 | 05 0320 |
| 08 0207 | 08 0207 | 04 0523 | 04 0523 | 4306.00 | 327.866 | 05 0321 | 05 0321 |
| 08 0209 | 08 0209 | 05 0218 | 05 0218 | 5100.00 | 365.630 | 05 0322 | 05 0322 |
| 08 0211 | 08 0211 | 05 0222 | 05 0222 | 7220.00 | 384.873 | 05 0324 | 05 0324 |
| 08 0214 | 08 0214 | 05 0223 | 05 0223 | 8248.00 | 385.614 | 05 0325 | 05 0325 |
| 08 0215 | 08 0215 | 05 0224 | 05 0224 | 16805.00 | 389.314 | 05 0326 | 05 0326 |
| 08 0216 | 08 0216 | 05 0225 | 05 0225 | 25713.00 | 389.314 | 05 0327 | 05 0327 |
| 08 0217 | 08 0217 | 05 0226 | 05 0226 | 30000.00 | 389.314 | 05 0328 | 05 0328 |
| 08 0218 | 08 0218 | 05 0227 | 05 0227 | 45000.00 | 389.314 | 05 0616 | 05 0616 |
| 08 0219 | 08 0219 | 05 0228 | 05 0228 | 75000.00 | 389.314 | 06 1202 | 06 1202 |
| 08 0222 | 08 0222 | 05 0301 | 05 0301 | 117000.00 | | 07 0306 | 07 0306 |
| 08 0224 | 08 0224 | 05 0503 | 05 0503 | 389.314 | | 07 0308 | 07 0308 |
| 08 0225 | 08 0225 | 05 1008 | 05 1008 | 150000.00 | | 07 0309 | 07 0309 |
| 08 0226 | 08 0226 | 06 0118 | 06 0118 | 389.314 | | 07 0310 | 07 0310 |
| 08 0227 | 08 0227 | 07 0206 | 07 0206 | 'CURVE13' | 081 13 | 07 0311 | 07 0311 |
| 08 0229 | 08 0229 | 07 0226 | 07 0226 | 0 0 | | 07 0312 | 07 0312 |
| 08 0301 | 08 0301 | 07 0227 | 07 0227 | 03 0205 | 03 0205 | 07 0313 | 07 0313 |
| 08 0302 | 08 0302 | 07 0228 | 07 0228 | 03 0206 | 03 0206 | 07 0314 | 07 0314 |
| 08 0303 | 08 0303 | 07 0301 | 07 0301 | 03 0207 | 03 0207 | 07 0315 | 07 0315 |
| 08 1116 | 08 1116 | 07 0302 | 07 0302 | 03 0211 | 03 0211 | 07 0316 | 07 0316 |
| 08 1124 | 08 1124 | 07 0303 | 07 0303 | 03 0224 | 03 0224 | 07 0317 | 07 0317 |
| 08 1128 | 08 1128 | 07 0304 | 07 0304 | 03 0314 | 03 0314 | 07 0318 | 07 0318 |
| 08 1130 | 08 1130 | 07 0305 | 07 0305 | 03 0315 | 03 0315 | 07 0319 | 07 0319 |
| 08 1204 | 08 1204 | 07 0307 | 07 0307 | 03 0316 | 03 0316 | 07 0320 | 07 0320 |
| 08 1210 | 08 1210 | 07 0504 | 07 0504 | 03 0317 | 03 0317 | 07 0321 | 07 0321 |
| 08 1229 | 08 1229 | 07 0922 | 07 0922 | 03 0318 | 03 0318 | 07 0322 | 07 0322 |
| 0.00 | 0.000 | 07 0927 | 07 0927 | 04 0224 | 04 0224 | 07 0323 | 07 0323 |
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| 4306.00 | 347.554 | 07 1012 | 07 1012 | 04 0302 | 04 0302 | 07 0325 | 07 0325 |
| 5100.00 | 387.586 | 07 1016 | 07 1016 | 04 0303 | 04 0303 | 07 0326 | 07 0326 |
| 7220.00 | 407.985 | 07 1020 | 07 1020 | 04 0304 | 04 0304 | 07 1103 | 07 1103 |
| 8248.00 | 408.770 | 07 1021 | 07 1021 | 04 0305 | 04 0305 | 07 1218 | 07 1218 |
| 16805.00 | 412.692 | 07 1023 | 07 1023 | 04 0306 | 04 0306 | 08 0308 | 08 0308 |

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| 08 0312 08 0312 | 25713.00 304.573 | 117000.00 | 06 1003 06 1003 |
| 0.00 0.000 | 30000.00 304.573 | 211.055 | 07 0502 07 0502 |
| 2000.00 128.523 | 45000.00 304.573 | 150000.00 | 08 0527 08 0527 |
| 4306.00 298.002 | 75000.00 304.573 | 211.055 | 0.00 0.000 |
| 5100.00 332.327 | 117000.00 | 'CURVE17' 002 13 | 2000.00 50.254 |
| 7220.00 349.818 | 304.573 | 0 0 | 4306.00 116.522 |
| 8248.00 350.490 | 150000.00 | 03 1103 03 1103 | 5100.00 129.943 |
| 16805.00 353.854 | 304.573 | 07 0329 07 0329 | 7220.00 136.783 |
| 25713.00 353.854 | 'CURVE15' 001 13 | 0.00 0.000 | 8248.00 137.046 |
| 30000.00 353.854 | 0 0 | 2000.00 68.566 | 16805.00 138.361 |
| 45000.00 353.854 | 03 0417 03 0417 | 4306.00 158.982 | 25713.00 138.361 |
| 75000.00 353.854 | 0.00 0.000 | 5100.00 177.293 | 30000.00 138.361 |
| 117000.00 | 2000.00 89.502 | 7220.00 186.624 | 45000.00 138.361 |
| 353.854 | 4306.00 207.527 | 8248.00 186.983 | 75000.00 138.361 |
| 150000.00 | 5100.00 231.430 | 16805.00 188.778 | 117000.00 |
| 353.854 | 7220.00 243.611 | 25713.00 188.778 | 138.361 |
| 'CURVE14' 018 13 | 8248.00 244.079 | 30000.00 188.778 | 150000.00 |
| 0 0 | 16805.00 246.422 | 45000.00 188.778 | 138.361 |
| 03 0210 03 0210 | 25713.00 246.422 | 75000.00 188.778 | 'CURVE20' 007 13 |
| 03 0225 03 0225 | 30000.00 246.422 | 117000.00 | 0 0 |
| 03 0305 03 0305 | 45000.00 246.422 | 188.778 | 05 0504 05 0504 |
| 04 0318 04 0318 | 75000.00 246.422 | 150000.00 | 05 0505 05 0505 |
| 04 0319 04 0319 | 117000.00 | 188.778 | 05 0507 05 0507 |
| 04 0320 04 0320 | 246.422 | 'CURVE18' 000 13 | 05 0508 05 0508 |
| 04 0321 04 0321 | 150000.00 | 0 0 | 08 0627 08 0627 |
| 04 0322 04 0322 | 246.422 | 0.00 0.000 | 08 0826 08 0826 |
| 04 0323 04 0323 | 'CURVE16' 004 13 | 2000.00 57.976 | 08 0915 08 0915 |
| 04 0324 04 0324 | 0 0 | 4306.00 134.427 | 0.00 0.000 |
| 04 0325 04 0325 | 03 0124 03 0124 | 5100.00 149.911 | 2000.00 37.172 |
| 04 0326 04 0326 | 03 0306 03 0306 | 7220.00 157.801 | 4306.00 86.190 |
| 04 0327 04 0327 | 04 0814 04 0814 | 8248.00 158.104 | 5100.00 96.117 |
| 05 0323 05 0323 | 08 0410 08 0410 | 16805.00 159.622 | 7220.00 101.176 |
| 05 0329 05 0329 | 0.00 0.000 | 25713.00 159.622 | 8248.00 101.370 |
| 05 0330 05 0330 | 2000.00 76.657 | 30000.00 159.622 | 16805.00 102.343 |
| 07 0111 07 0111 | 4306.00 177.742 | 45000.00 159.622 | 25713.00 102.343 |
| 07 0327 07 0327 | 5100.00 198.215 | 75000.00 159.622 | 30000.00 102.343 |
| 0.00 0.000 | 7220.00 208.647 | 117000.00 | 45000.00 102.343 |
| 2000.00 110.624 | 8248.00 209.048 | 159.622 | 75000.00 102.343 |
| 4306.00 256.500 | 16805.00 211.055 | 150000.00 | 117000.00 |
| 5100.00 286.044 | 25713.00 211.055 | 159.622 | 102.343 |
| 7220.00 301.099 | 30000.00 211.055 | 'CURVE19' 004 13 | 150000.00 |
| 8248.00 301.678 | 45000.00 211.055 | 0 0 | 102.343 |
| 16805.00 304.573 | 75000.00 211.055 | 03 0311 03 0311 | |

HWBEG Input File for Stewart's Bridge

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
03
'STEWBRIDGE' 'GENERAL' 25
'CURVEADJ00' 10 3 0 0 | 05 0402 05 0402 | 03 1103 03 1103
04 0414 04 0414 | 0 0 | 03 1113 03 1113
04 0417 04 0417 | 214 27.5 | 04 0331 04 0331
04 0423 04 0423 | 15000 27.5 | 04 0511 04 0511
04 0428 04 0428 | 'CURVEADJ03' 1 3 0 0 | 04 0513 04 0514
04 0430 04 0430 | 05 0402 05 0402 | 04 1225 04 1225
04 0504 04 0504 | 0 0 | 05 0526 05 0526
04 0510 04 0514 | 143 11.3 | 07 0712 07 0712
04 0518 04 0518 | 15000 11.3 | 08 0606 08 0606
04 0522 04 0525 | 'CURVEADJ04' 1 3 0 0 | 0.0 0.0
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0 0 | 0 0 | 4880 770
3990 674.14 | 43 122.6 | 5800 800
8000 1400.0 | 15000 122.6 | 8500 775
'CURVEADJ01' 1 3 0 0 | 4/30/2005 37 81.9 | 9790.0 810.0
05 0401 05 0401 | 5/1/2005 43 | 14000.0 795.0
0 0 | 122.6 | 'CURVE B' 18 7 0 0
300 37 | 'CURVE A' 11 7 0 0 | 03 1106 03 1106
15000 37.36 | 02 0101 02 1231 | 03 1202 03 1202
'CURVEADJ02' 1 3 0 0 | 03 1030 03 1030 | 04 0417 04 0417

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| 04 0430 04 0430 | 04 1211 04 1212 | 08 0308 08 0309 |
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| 04 0512 04 0512 | 04 1226 04 1226 | 08 0413 08 0413 |
| 04 0525 04 0525 | 04 1230 04 1230 | 08 0818 08 0818 |
| 06 0126 06 0126 | 05 0104 05 0104 | 08 0827 08 0827 |
| 06 0401 06 0401 | 05 0114 05 0114 | 08 1011 08 1012 |
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| 07 1103 07 1103 | 05 0218 05 0218 | 08 1117 08 1117 |
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| 08 0522 08 0522 | 05 0726 05 0728 | 08 1226 08 1226 |
| 08 0529 08 0530 | 05 0801 05 0802 | 08 1229 08 1231 |
| 08 0604 08 0604 | 05 1008 05 1008 | 0 0 |
| 08 0611 08 0613 | 05 1116 05 1116 | 200 10 |
| 0.0 0.0 | 06 0118 06 0118 | 4880 770 |
| 3241.0 581.0 | 06 0204 06 0204 | 5800 800 |
| 4880 770 | 06 0208 06 0208 | 8500 775 |
| 5800 800 | 0 0 | 9790.0 810.0 |
| 8500 775 | 200 10 | 14000.0 795.0 |
| 9790.0 810.0 | 4880 770 | 'CURVE D1' 8 11 0 0 |
| 14000.0 795.0 | 5800 800 | 03 0530 03 0530 |
| 'CURVE C1' 25 7 0 0 | 8500 775 | 04 0814 04 0814 |
| 03 0101 03 0104 | 9790.0 810.0 | 05 0724 05 0724 |
| 03 0106 03 0109 | 14000.0 795.0 | 07 0426 07 0426 |
| 03 0113 03 0115 | 'CURVE C3' 25 7 0 0 | 08 0627 08 0627 |
| 03 0117 03 0204 | 06 0314 06 0314 | 08 0709 08 0709 |
| 03 0207 03 0306 | 06 0330 06 0330 | 08 0723 08 0723 |
| 03 0308 03 0309 | 06 0513 06 0513 | 08 1028 08 1028 |
| 03 0311 03 0319 | 06 0515 06 0515 | 0.0 0.0 |
| 03 0404 03 0404 | 06 0519 06 0519 | 700.0 30.0 |
| 03 0528 03 0528 | 06 0605 06 0605 | 1290.0 103.0 |
| 03 0624 03 0625 | 06 0624 06 0624 | 2610.0 219.0 |
| 03 0722 03 0722 | 06 0628 06 0629 | 3990.0 270.0 |
| 03 1013 03 1013 | 06 0705 06 0705 | 4450.0 488.0 |
| 03 1120 03 1120 | 06 0723 06 0723 | 4880 770 |
| 03 1129 03 1129 | 06 0915 06 0915 | 5800 800 |
| 03 1204 03 1204 | 06 1004 06 1004 | 8500 775 |
| 03 1211 03 1211 | 06 1202 06 1202 | 9790.0 810.0 |
| 03 1216 03 1216 | 06 1227 06 1227 | 14000.0 795.0 |
| 03 1218 03 1218 | 07 0503 07 0503 | 'CURVE D2' 2 2 0 0 |
| 04 0104 04 0104 | 07 0530 07 0530 | 08 0527 08 0527 |
| 04 0210 04 0210 | 07 0601 07 0601 | 08 0915 08 0915 |
| 04 0224 04 0224 | 07 0605 07 0605 | 0.0 30.0 |
| 04 0307 04 0307 | 07 0727 07 0727 | 2000.0 30.0 |
| 04 0324 04 0324 | 07 0825 07 0825 | 'CURVE D3' 1 8 0 0 |
| 04 0423 04 0423 | 07 1024 07 1024 | 05 0430 05 0501 |
| 04 0624 04 0624 | 07 1123 07 1123 | 36.0 81.9 |
| 0 0 | 07 1207 07 1207 | 44.0 122.6 |
| 200 10 | 07 1218 07 1219 | 4100.0 695.0 |
| 4880 770 | 08 0111 08 0111 | 5200.0 838.0 |
| 5800 800 | 0 0 | 6630.0 843.0 |
| 8500 775 | 200 10 | 6800.0 839.0 |
| 9790.0 810.0 | 4880 770 | 9790.0 810.0 |
| 14000.0 795.0 | 5800 800 | 14000.0 795.0 |
| 'CURVE C2' 25 7 0 0 | 8500 775 | 'CURVE E1' 25 7 0 0 |
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| 04 0829 04 0829 | 14000.0 795.0 | 03 0116 03 0116 |
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| 04 1111 04 1111 | 08 0124 08 0124 | 03 0305 03 0305 |
| 04 1117 04 1117 | 08 0205 08 0205 | 03 0307 03 0307 |
| 04 1128 04 1128 | 08 0208 08 0208 | 03 0310 03 0310 |
| 04 1201 04 1202 | 08 0228 08 0228 | 03 0426 03 0529 |

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| 03 0531 03 0623 | 06 0101 06 0117 | 08 0628 08 0708 |
| 03 0626 03 1012 | 06 0125 06 0125 | 08 0710 08 0722 |
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| 03 1107 03 1112 | 06 0206 06 0206 | 08 0819 08 0826 |
| 03 1114 03 1119 | 06 0209 06 0331 | 08 0828 08 0914 |
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| 03 1214 03 1217 | 06 0518 06 0518 | 08 1202 08 1212 |
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| 04 0308 04 0327 | 06 1005 06 1020 | 5200.0 838.0 |
| 04 0522 04 0523 | 06 1024 06 1028 | 6630.0 843.0 |
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| 2540.0 | 480.0 | 8500 | 775 | | |
| 4880 | 770 | 9790.0 | 810.0 | | |

HWBEG Input File for Curtis

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'JAN 2002 to DEC 2008'
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01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
04
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'CURVE01' 018 13
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05 0329 05 0329 4602.00 219.545 04 0324 04 0324 05 0321 05 0321
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06 0902 06 0902 16679.00 251.794 04 0506 04 0506 05 0326 05 0326
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07 0529 07 0529 150000.00 0.000 04 0516 04 0516 05 0607 05 0607
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08 0517 08 0517 03 0118 03 0118 04 0616 04 0616 05 1219 05 1219
08 0518 08 0518 03 0306 03 0306 04 1117 04 1117 05 1220 05 1220
08 0611 08 0611 03 0309 03 0309 05 0201 05 0201 05 1221 05 1221
08 0613 08 0613 03 0320 03 0320 05 0208 05 0208 05 1223 05 1223
08 0830 08 0830 03 0411 03 0411 05 0210 05 0210 05 1224 05 1224
'CURVE02' 100 13
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03 0411 03 0411 05 0309 05 0309 06 0628 06 0628
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| 06 1011 | 06 1011 | 03 0103 | 03 0103 | 04 0325 | 04 0325 | 05 0729 | 05 0729 |
| 06 1128 | 06 1128 | 03 0123 | 03 0123 | 04 0326 | 04 0326 | 05 0730 | 05 0730 |
| 07 0409 | 07 0409 | 03 0125 | 03 0125 | 04 0404 | 04 0404 | 05 0809 | 05 0809 |
| 07 0410 | 07 0410 | 03 0128 | 03 0128 | 04 0405 | 04 0405 | 05 0818 | 05 0818 |
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| 07 0928 | 07 0928 | 03 0319 | 03 0319 | 04 0421 | 04 0421 | 05 0927 | 05 0927 |
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| 08 0522 | 08 0522 | 03 0429 | 03 0429 | 04 0904 | 04 0904 | 06 0207 | 06 0207 |
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| 08 0527 | 08 0527 | 03 0507 | 03 0507 | 04 1024 | 04 1024 | 06 0304 | 06 0304 |
| 08 0528 | 08 0528 | 03 0508 | 03 0508 | 04 1026 | 04 1026 | 06 0311 | 06 0311 |
| 08 0529 | 08 0529 | 03 0511 | 03 0511 | 04 1126 | 04 1126 | 06 0313 | 06 0313 |
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| 08 0615 | 08 0615 | 03 0613 | 03 0613 | 05 0211 | 05 0211 | 06 0323 | 06 0323 |
| 08 0617 | 08 0617 | 03 0617 | 03 0617 | 05 0216 | 05 0216 | 06 0324 | 06 0324 |
| 08 0621 | 08 0621 | 03 0621 | 03 0621 | 05 0217 | 05 0217 | 06 0325 | 06 0325 |
| 08 0701 | 08 0701 | 03 0622 | 03 0622 | 05 0228 | 05 0228 | 06 0326 | 06 0326 |
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| 06 0620 | 06 0620 | 08 0624 | 08 0624 | 03 0928 | 03 0928 | 05 1216 | 05 1216 |
| 06 0625 | 06 0625 | 08 0911 | 08 0911 | 03 1209 | 03 1209 | 05 1222 | 05 1222 |
| 06 0627 | 06 0627 | 08 0918 | 08 0918 | 03 1210 | 03 1210 | 05 1225 | 05 1225 |
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| 07 0119 | 07 0119 | 03 0213 | 03 0213 | 04 1111 | 04 1111 | 06 0606 | 06 0606 |
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| 07 0204 | 07 0204 | 03 0318 | 03 0318 | 05 0204 | 05 0204 | 06 0609 | 06 0609 |
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| 07 0430 | 07 0430 | 03 0430 | 03 0430 | 05 0306 | 05 0306 | 06 0723 | 06 0723 |
| 07 0501 | 07 0501 | 03 0502 | 03 0502 | 05 0307 | 05 0307 | 06 0729 | 06 0729 |
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| 07 0622 | 07 0622 | 03 0513 | 03 0513 | 05 0506 | 05 0506 | 06 1230 | 06 1230 |
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| 08 0417 | 08 0417 | 03 0716 | 03 0716 | 04 0529 | 04 0529 | 05 0528 | 05 0528 |
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| 03 0313 | 03 0313 | 04 0229 | 04 0229 | 05 0226 | 05 0226 | 06 0124 | 06 0124 |
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| 06 0926 | 06 0926 | 07 0714 | 07 0714 | 08 1006 | 08 1006 | 04 0611 | 04 | 0611 |
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| 06 1021 | 06 1021 | 07 0722 | 07 0722 | 08 1021 | 08 1021 | 04 0613 | 04 | 0613 |
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| 08 1013 | 08 1013 | 03 1014 | 03 1014 | 05 0608 | 05 0608 | 06 1004 | 06 1004 |
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| 08 1103 | 08 1103 | 03 1103 | 03 1103 | 05 0615 | 05 0615 | 06 1027 | 06 1027 |
| 08 1104 | 08 1104 | 03 1104 | 03 1104 | 05 0616 | 05 0616 | 06 1031 | 06 1031 |
| 08 1109 | 08 1109 | 03 1106 | 03 1106 | 05 0620 | 05 0620 | 06 1101 | 06 1101 |
| 08 1115 | 08 1115 | 03 1111 | 03 1111 | 05 0624 | 05 0624 | 06 1104 | 06 1104 |
| 08 1123 | 08 1123 | 03 1115 | 03 1115 | 05 0625 | 05 0625 | 06 1107 | 06 1107 |
| 08 1124 | 08 1124 | 03 1119 | 03 1119 | 05 0705 | 05 0705 | 06 1109 | 06 1109 |
| 08 1126 | 08 1126 | 03 1122 | 03 1122 | 05 0718 | 05 0718 | 06 1113 | 06 1113 |
| 08 1130 | 08 1130 | 03 1126 | 03 1126 | 05 0808 | 05 0808 | 06 1120 | 06 1120 |
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| 08 1206 | 08 1206 | 04 0128 | 04 0128 | 05 0823 | 05 0823 | 07 0212 | 07 0212 |
| 08 1208 | 08 1208 | 04 0309 | 04 0309 | 05 0825 | 05 0825 | 07 0219 | 07 0219 |
| 08 1227 | 08 1227 | 04 0310 | 04 0310 | 05 0826 | 05 0826 | 07 0307 | 07 0307 |
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| 150000.00 | 0.000 | 04 0804 | 04 0804 | 05 1103 | 05 1103 | 07 0617 | 07 0617 |
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| 03 0119 | 03 0119 | 04 0816 | 04 0816 | 05 1112 | 05 1112 | 07 0716 | 07 0716 |
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| 03 0530 | 03 0530 | 04 1013 | 04 1013 | 06 0121 | 06 0121 | 07 1001 | 07 1001 |
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| 03 0714 | 03 0714 | 04 1016 | 04 1016 | 06 0203 | 06 0203 | 07 1014 | 07 1014 |
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| 03 0721 | 03 0721 | 04 1023 | 04 1023 | 06 0407 | 06 0407 | 07 1024 | 07 1024 |
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| 03 0826 | 03 0826 | 04 1109 | 04 1109 | 06 0418 | 06 0418 | 07 1105 | 07 1105 |
| 03 0829 | 03 0829 | 04 1110 | 04 1110 | 06 0424 | 06 0424 | 07 1109 | 07 1109 |
| 03 0831 | 03 0831 | 04 1127 | 04 1127 | 06 0425 | 06 0425 | 07 1113 | 07 1113 |
| 03 0905 | 03 0905 | 04 1128 | 04 1128 | 06 0624 | 06 0624 | 07 1115 | 07 1115 |
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| 03 0912 | 03 0912 | 04 1209 | 04 1209 | 06 0702 | 06 0702 | 07 1212 | 07 1212 |
| 03 0914 | 03 0914 | 04 1212 | 04 1212 | 06 0704 | 06 0704 | 08 0105 | 08 0105 |
| 03 0915 | 03 0915 | 04 1215 | 04 1215 | 06 0801 | 06 0801 | 08 0224 | 08 0224 |
| 03 0918 | 03 0918 | 04 1216 | 04 1216 | 06 0805 | 06 0805 | 08 0303 | 08 0303 |
| 03 0929 | 03 0929 | 05 0110 | 05 0110 | 06 0806 | 06 0806 | 08 0308 | 08 0308 |
| 03 1001 | 03 1001 | 05 0219 | 05 0219 | 06 0807 | 06 0807 | 08 0318 | 08 0318 |
| 03 1004 | 03 1004 | 05 0405 | 05 0405 | 06 0816 | 06 0816 | 08 0319 | 08 0319 |

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| 08 0321 | 08 0321 | 03 1110 | 03 1110 | 06 0929 | 06 0929 | 08 0506 | 08 0506 |
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| 08 0328 | 08 0328 | 03 1217 | 03 1217 | 06 1012 | 06 1012 | 08 0509 | 08 0509 |
| 08 0329 | 08 0329 | 03 1226 | 03 1226 | 06 1022 | 06 1022 | 08 0606 | 08 0606 |
| 08 0330 | 08 0330 | 04 0107 | 04 0107 | 06 1105 | 06 1105 | 08 0614 | 08 0614 |
| 08 0413 | 08 0413 | 04 0119 | 04 0119 | 06 1106 | 06 1106 | 08 0616 | 08 0616 |
| 08 0421 | 08 0421 | 04 0122 | 04 0122 | 06 1111 | 06 1111 | 08 0715 | 08 0715 |
| 08 0510 | 08 0510 | 04 0205 | 04 0205 | 06 1112 | 06 1112 | 08 0803 | 08 0803 |
| 08 0512 | 08 0512 | 04 0308 | 04 0308 | 06 1118 | 06 1118 | 08 0806 | 08 0806 |
| 08 0531 | 08 0531 | 04 0330 | 04 0330 | 07 0118 | 07 0118 | 08 0826 | 08 0826 |
| 08 0608 | 08 0608 | 04 0403 | 04 0403 | 07 0121 | 07 0121 | 08 0831 | 08 0831 |
| 08 0620 | 08 0620 | 04 0504 | 04 0504 | 07 0126 | 07 0126 | 08 0902 | 08 0902 |
| 08 0627 | 08 0627 | 04 0526 | 04 0526 | 07 0205 | 07 0205 | 08 0912 | 08 0912 |
| 08 0630 | 08 0630 | 04 0605 | 04 0605 | 07 0211 | 07 0211 | 08 0914 | 08 0914 |
| 08 0805 | 08 0805 | 04 0606 | 04 0606 | 07 0213 | 07 0213 | 08 0923 | 08 0923 |
| 08 0903 | 08 0903 | 04 0607 | 04 0607 | 07 0306 | 07 0306 | 08 0929 | 08 0929 |
| 08 0907 | 08 0907 | 04 0608 | 04 0608 | 07 0330 | 07 0330 | 08 1016 | 08 1016 |
| 08 0908 | 08 0908 | 04 0714 | 04 0714 | 07 0702 | 07 0702 | 08 1022 | 08 1022 |
| 08 0926 | 08 0926 | 04 0802 | 04 0802 | 07 0810 | 07 0810 | 08 1024 | 08 1024 |
| 08 0928 | 08 0928 | 04 0814 | 04 0814 | 07 0812 | 07 0812 | 08 1025 | 08 1025 |
| 08 1014 | 08 1014 | 04 0829 | 04 0829 | 07 0815 | 07 0815 | 08 1031 | 08 1031 |
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| 08 1020 | 08 1020 | 04 0911 | 04 0911 | 07 0902 | 07 0902 | 08 1111 | 08 1111 |
| 08 1105 | 08 1105 | 04 0913 | 04 0913 | 07 0909 | 07 0909 | 08 1112 | 08 1112 |
| 08 1116 | 08 1116 | 04 0924 | 04 0924 | 07 0921 | 07 0921 | 08 1114 | 08 1114 |
| 08 1125 | 08 1125 | 04 1001 | 04 1001 | 07 0923 | 07 0923 | 08 1117 | 08 1117 |
| 08 1204 | 08 1204 | 04 1028 | 04 1028 | 07 0926 | 07 0926 | 08 1118 | 08 1118 |
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| 08 1216 | 08 1216 | 04 1220 | 04 1220 | 07 1004 | 07 1004 | 08 1121 | 08 1121 |
| 08 1218 | 08 1218 | 05 0102 | 05 0102 | 07 1009 | 07 1009 | 08 1127 | 08 1127 |
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| 08 1228 | 08 1228 | 05 0107 | 05 0107 | 07 1028 | 07 1028 | 08 1203 | 08 1203 |
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| 16679.00 | 190.117 | 05 0630 | 05 0630 | 07 1130 | 07 1130 | 7408.00 | 207.694 |
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| 03 0724 | 03 0724 | 06 0119 | 06 0119 | 07 1230 | 07 1230 | 03 0330 | 03 0330 |
| 03 0907 | 03 0907 | 06 0122 | 06 0122 | 08 0103 | 08 0103 | 03 0407 | 03 0407 |
| 03 1015 | 03 1015 | 06 0212 | 06 0212 | 08 0109 | 08 0109 | 03 0522 | 03 0522 |
| 03 1016 | 03 1016 | 06 0508 | 06 0508 | 08 0125 | 08 0125 | 03 1203 | 03 1203 |
| 03 1019 | 03 1019 | 06 0512 | 06 0512 | 08 0207 | 08 0207 | 03 1204 | 03 1204 |
| 03 1021 | 03 1021 | 06 0706 | 06 0706 | 08 0221 | 08 0221 | 03 1221 | 03 1221 |
| 03 1022 | 03 1022 | 06 0707 | 06 0707 | 08 0228 | 08 0228 | 03 1222 | 03 1222 |
| 03 1026 | 03 1026 | 06 0722 | 06 0722 | 08 0305 | 08 0305 | 04 0328 | 04 0328 |
| 03 1027 | 03 1027 | 06 0728 | 06 0728 | 08 0327 | 08 0327 | 04 0331 | 04 0331 |
| 03 1028 | 03 1028 | 06 0830 | 06 0830 | 08 0412 | 08 0412 | 04 0401 | 04 0401 |
| 03 1109 | 03 1109 | 06 0927 | 06 0927 | 08 0415 | 08 0415 | 04 0402 | 04 0402 |

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| 04 0524 | 04 0524 | 08 0411 | 08 0411 | 07 0523 | 07 0523 | 08 0708 | 08 0708 |
| 04 0716 | 04 0716 | 08 0414 | 08 0414 | 07 0710 | 07 0710 | 08 0724 | 08 0724 |
| 04 0718 | 04 0718 | 08 0607 | 08 0607 | 08 0111 | 08 0111 | 08 0729 | 08 0729 |
| 04 0719 | 04 0719 | 08 0618 | 08 0618 | 08 0117 | 08 0117 | 08 0730 | 08 0730 |
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| 04 0723 | 04 0723 | 08 0810 | 08 0810 | 08 0211 | 08 0211 | 08 0812 | 08 0812 |
| 04 0724 | 04 0724 | 08 0816 | 08 0816 | 08 0220 | 08 0220 | 08 1026 | 08 1026 |
| 04 0725 | 04 0725 | 08 0817 | 08 0817 | 08 0306 | 08 0306 | 08 1225 | 08 1225 |
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| 04 0917 | 04 0917 | 08 1107 | 08 1107 | 08 0725 | 08 0725 | 4602.00 | 123.261 |
| 04 1221 | 04 1221 | 08 1217 | 08 1217 | 08 0726 | 08 0726 | 5680.00 | 152.509 |
| 04 1222 | 04 1222 | 08 1230 | 08 1230 | 08 0727 | 08 0727 | 6878.00 | 166.437 |
| 05 0105 | 05 0105 | 0.00 | 0.000 | 08 0728 | 08 0728 | 7408.00 | 165.740 |
| 05 0128 | 05 0128 | 2000.00 | 61.887 | 08 0731 | 08 0731 | 9724.00 | 156.687 |
| 05 0129 | 05 0129 | 3486.00 | 105.289 | 08 0809 | 08 0809 | 16679.00 | 141.367 |
| 05 0402 | 05 0402 | 4602.00 | 142.261 | 08 0811 | 08 0811 | 19347.00 | 137.188 |
| 05 0606 | 05 0606 | 5680.00 | 176.018 | 08 0813 | 08 0813 | 25190.00 | 118.386 |
| 05 1214 | 05 1214 | 6878.00 | 192.092 | 08 0814 | 08 0814 | 30000.00 | 104.458 |
| 06 0108 | 06 0108 | 7408.00 | 191.289 | 08 0815 | 08 0815 | 150000.00 | 0.000 |
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| 06 0211 | 06 0211 | 19347.00 | 158.335 | 08 1213 | 08 1213 | 03 0329 | 03 0329 |
| 06 0213 | 06 0213 | 25190.00 | 136.635 | 08 1224 | 08 1224 | 04 0113 | 04 0113 |
| 06 0222 | 06 0222 | 30000.00 | 120.560 | 08 1226 | 08 1226 | 04 0115 | 04 0115 |
| 06 0223 | 06 0223 | 150000.00 | 0.000 | 08 1231 | 08 1231 | 04 0116 | 04 0116 |
| 06 0224 | 06 0224 | 'CURVE11' | 061 13 | 0.00 | 0.000 | 04 0916 | 04 0916 |
| 06 0225 | 06 0225 | 0 | 0 | 2000.00 | 56.916 | 04 0921 | 04 0921 |
| 06 0718 | 06 0718 | 03 0521 | 03 0521 | 3486.00 | 96.830 | 05 0115 | 05 0115 |
| 06 0725 | 06 0725 | 03 0814 | 03 0814 | 4602.00 | 130.832 | 05 0121 | 05 0121 |
| 06 0821 | 06 0821 | 03 1213 | 03 1213 | 5680.00 | 161.877 | 05 0122 | 05 0122 |
| 06 0831 | 06 0831 | 03 1216 | 03 1216 | 6878.00 | 176.660 | 05 0124 | 05 0124 |
| 06 0924 | 06 0924 | 04 0117 | 04 0117 | 7408.00 | 175.921 | 05 0807 | 05 0807 |
| 06 1005 | 06 1005 | 04 0118 | 04 0118 | 9724.00 | 166.312 | 06 0221 | 06 0221 |
| 06 1020 | 06 1020 | 04 0507 | 04 0507 | 16679.00 | 150.050 | 06 0715 | 06 0715 |
| 06 1023 | 06 1023 | 04 0713 | 04 0713 | 19347.00 | 145.615 | 07 0215 | 07 0215 |
| 06 1227 | 06 1227 | 04 0715 | 04 0715 | 25190.00 | 125.658 | 07 0416 | 07 0416 |
| 06 1228 | 06 1228 | 04 0717 | 04 0717 | 30000.00 | 110.875 | 07 0807 | 07 0807 |
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| 07 0209 | 07 0209 | 04 0721 | 04 0721 | 'CURVE12' | 029 13 | 08 0122 | 08 0122 |
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| 07 0403 | 07 0403 | 04 0923 | 04 0923 | 03 1225 | 03 1225 | 08 1212 | 08 1212 |
| 07 0417 | 07 0417 | 05 0120 | 05 0120 | 04 0108 | 04 0108 | 08 1214 | 08 1214 |
| 07 0526 | 07 0526 | 05 0404 | 05 0404 | 04 0120 | 04 0120 | 08 1220 | 08 1220 |
| 07 0527 | 07 0527 | 06 0128 | 06 0128 | 04 0712 | 04 0712 | 0.00 | 0.000 |
| 07 0709 | 07 0709 | 06 0210 | 06 0210 | 04 0918 | 04 0918 | 2000.00 | 48.587 |
| 07 0929 | 07 0929 | 06 0226 | 06 0226 | 04 0919 | 04 0919 | 3486.00 | 82.661 |
| 07 1005 | 07 1005 | 06 0227 | 06 0227 | 04 0920 | 04 0920 | 4602.00 | 111.687 |
| 07 1119 | 07 1119 | 06 0228 | 06 0228 | 04 0922 | 04 0922 | 5680.00 | 138.188 |
| 07 1216 | 07 1216 | 06 0423 | 06 0423 | 04 1224 | 04 1224 | 6878.00 | 150.808 |
| 07 1231 | 07 1231 | 06 0711 | 06 0711 | 05 0101 | 05 0101 | 7408.00 | 150.177 |
| 08 0101 | 08 0101 | 06 0719 | 06 0719 | 05 0905 | 05 0905 | 9724.00 | 141.974 |
| 08 0102 | 08 0102 | 06 0720 | 06 0720 | 06 0127 | 06 0127 | 16679.00 | 128.092 |
| 08 0112 | 08 0112 | 06 0721 | 06 0721 | 06 0712 | 06 0712 | 19347.00 | 124.306 |
| 08 0113 | 08 0113 | 06 0726 | 06 0726 | 06 0713 | 06 0713 | 25190.00 | 107.270 |
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| 08 0124 | 08 0124 | 06 1006 | 06 1006 | 07 0207 | 07 0207 | 'CURVE14' | 023 13 |
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| 08 0312 | 08 0312 | 07 0208 | 07 0208 | 08 0212 | 08 0212 | 03 0406 | 03 0406 |
| 08 0313 | 08 0313 | 07 0329 | 07 0329 | 08 0629 | 08 0629 | 04 0110 | 04 0110 |

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| 04 0111 | 04 0111 | 04 0109 | 04 0109 | 7408.00 | 96.818 | 30000.00 | 45.688 |
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| 04 0114 | 04 0114 | 04 1231 | 04 1231 | 16679.00 | 82.580 | 'CURVE19' | 000 13 |
| 04 1226 | 04 1226 | 05 0116 | 05 0116 | 19347.00 | 80.140 | 0 0 | |
| 05 0119 | 05 0119 | 05 0117 | 05 0117 | 25190.00 | 69.156 | 0.00 | 0.000 |
| 05 0123 | 05 0123 | 05 0118 | 05 0118 | 30000.00 | 61.020 | 2000.00 | 20.537 |
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| 06 0217 | 06 0217 | 06 0219 | 06 0219 | 0 0 | | 5680.00 | 58.410 |
| 06 0220 | 06 0220 | 08 0820 | 08 0820 | 0.00 | 0.000 | 6878.00 | 63.744 |
| 06 0901 | 06 0901 | 08 1222 | 08 1222 | 2000.00 | 27.376 | 7408.00 | 63.477 |
| 06 1018 | 06 1018 | 0.00 | 0.000 | 3486.00 | 46.575 | 9724.00 | 60.010 |
| 08 0110 | 08 0110 | 2000.00 | 35.539 | 4602.00 | 62.929 | 16679.00 | 54.142 |
| 08 0121 | 08 0121 | 3486.00 | 60.462 | 5680.00 | 77.862 | 19347.00 | 52.542 |
| 08 0311 | 08 0311 | 4602.00 | 81.694 | 6878.00 | 84.972 | 25190.00 | 45.341 |
| 08 0722 | 08 0722 | 5680.00 | 101.078 | 7408.00 | 84.617 | 30000.00 | 40.007 |
| 08 0807 | 08 0807 | 6878.00 | 110.309 | 9724.00 | 79.995 | 150000.00 | 0.000 |
| 08 0821 | 08 0821 | 7408.00 | 109.848 | 16679.00 | 72.173 | 'CURVE20' | 003 13 |
| 08 1221 | 08 1221 | 9724.00 | 103.848 | 19347.00 | 70.040 | 0 0 | |
| 08 1223 | 08 1223 | 16679.00 | 93.694 | 25190.00 | 60.441 | 04 1228 | 04 1228 |
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| 3486.00 | 74.076 | 30000.00 | 69.232 | 'CURVE18' | 001 13 | 0.00 | 0.000 |
| 4602.00 | 100.088 | 150000.00 | 0.000 | 0 0 | | 2000.00 | 15.266 |
| 5680.00 | 123.837 | 'CURVE16' | 004 13 | 04 1225 | 04 1225 | 3486.00 | 25.973 |
| 6878.00 | 135.147 | 0 0 | | 0.00 | 0.000 | 4602.00 | 35.093 |
| 7408.00 | 134.581 | 03 1215 | 03 1215 | 2000.00 | 23.453 | 5680.00 | 43.420 |
| 9724.00 | 127.230 | 04 1227 | 04 1227 | 3486.00 | 39.901 | 6878.00 | 47.385 |
| 16679.00 | 114.790 | 06 0823 | 06 0823 | 4602.00 | 53.912 | 7408.00 | 47.187 |
| 19347.00 | 111.397 | 08 0310 | 08 0310 | 5680.00 | 66.704 | 9724.00 | 44.610 |
| 25190.00 | 96.129 | 0.00 | 0.000 | 6878.00 | 72.796 | 16679.00 | 40.248 |
| 30000.00 | 84.820 | 2000.00 | 31.324 | 7408.00 | 72.491 | 19347.00 | 39.058 |
| 150000.00 | 0.000 | 3486.00 | 53.291 | 9724.00 | 68.532 | 25190.00 | 33.705 |
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| 0 0 | | 5680.00 | 89.089 | 19347.00 | 60.003 | 150000.00 | 0.000 |
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HWBEG Input File for Palmer

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 0
08 08 09 0
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| 07 0716 | 07 0716 | 08 1105 | 08 1105 | 03 1115 | 03 1115 | 05 0128 | 05 0128 |
| 07 0722 | 07 0722 | 08 1108 | 08 1108 | 03 1116 | 03 1116 | 05 0401 | 05 0401 |
| 07 0724 | 07 0724 | 08 1113 | 08 1113 | 03 1117 | 03 1117 | 05 0516 | 05 0516 |
| 07 0727 | 07 0727 | 08 1115 | 08 1115 | 03 1118 | 03 1118 | 05 0624 | 05 0624 |
| 07 0731 | 07 0731 | 08 1122 | 08 1122 | 03 1121 | 03 1121 | 05 0625 | 05 0625 |
| 07 0801 | 07 0801 | 08 1125 | 08 1125 | 03 1124 | 03 1124 | 05 0701 | 05 0701 |
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| 07 0808 | 07 0808 | 2000.00 | 302.574 | 03 1224 | 03 1224 | 05 0823 | 05 0823 |

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| 05 0901 | 05 0901 | 07 0601 | 07 0601 | 08 0825 | 08 0825 | 05 0529 | 05 0529 |
| 05 0925 | 05 0925 | 07 0602 | 07 0602 | 08 0903 | 08 0903 | 05 0603 | 05 0603 |
| 05 0929 | 05 0929 | 07 0608 | 07 0608 | 08 0904 | 08 0904 | 05 0604 | 05 0604 |
| 05 1010 | 05 1010 | 07 0610 | 07 0610 | 08 0906 | 08 0906 | 05 0610 | 05 0610 |
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| 05 1023 | 05 1023 | 07 0620 | 07 0620 | 08 1008 | 08 1008 | 05 0616 | 05 0616 |
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| 05 1025 | 05 1025 | 07 0713 | 07 0713 | 08 1104 | 08 1104 | 05 0712 | 05 0712 |
| 05 1101 | 05 1101 | 07 0719 | 07 0719 | 08 1109 | 08 1109 | 05 0728 | 05 0728 |
| 05 1105 | 05 1105 | 07 0822 | 07 0822 | 08 1112 | 08 1112 | 05 0921 | 05 0921 |
| 05 1107 | 05 1107 | 07 0824 | 07 0824 | 08 1114 | 08 1114 | 05 0922 | 05 0922 |
| 05 1120 | 05 1120 | 07 0831 | 07 0831 | 08 1119 | 08 1119 | 05 1022 | 05 1022 |
| 05 1130 | 05 1130 | 07 0902 | 07 0902 | 08 1120 | 08 1120 | 05 1109 | 05 1109 |
| 05 1231 | 05 1231 | 07 0904 | 07 0904 | 08 1121 | 08 1121 | 05 1214 | 05 1214 |
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| 06 0130 | 06 0130 | 07 0921 | 07 0921 | 08 1203 | 08 1203 | 06 0115 | 06 0115 |
| 06 0202 | 06 0202 | 07 0924 | 07 0924 | 08 1207 | 08 1207 | 06 0128 | 06 0128 |
| 06 0204 | 06 0204 | 07 0927 | 07 0927 | 08 1208 | 08 1208 | 06 0626 | 06 0626 |
| 06 0319 | 06 0319 | 07 1004 | 07 1004 | 08 1218 | 08 1218 | 06 0627 | 06 0627 |
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| 06 0405 | 06 0405 | 07 1108 | 07 1108 | 3486.00 | 528.336 | 06 0911 | 06 0911 |
| 06 0412 | 06 0412 | 07 1116 | 07 1116 | 4602.00 | 686.650 | 06 0924 | 06 0924 |
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| 06 0601 | 06 0601 | 07 1120 | 07 1120 | 6878.00 | 1011.708 | 06 0927 | 06 0927 |
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| 06 1113 | 06 1113 | 08 0314 | 08 0314 | 03 0807 | 03 0807 | 08 0606 | 08 0606 |
| 06 1114 | 06 1114 | 08 0315 | 08 0315 | 03 0922 | 03 0922 | 08 0614 | 08 0614 |
| 06 1115 | 06 1115 | 08 0317 | 08 0317 | 03 1028 | 03 1028 | 08 0616 | 08 0616 |
| 06 1204 | 06 1204 | 08 0318 | 08 0318 | 03 1030 | 03 1030 | 08 0618 | 08 0618 |
| 06 1229 | 06 1229 | 08 0320 | 08 0320 | 03 1213 | 03 1213 | 08 0802 | 08 0802 |
| 07 0210 | 07 0210 | 08 0322 | 08 0322 | 03 1218 | 03 1218 | 08 0803 | 08 0803 |
| 07 0211 | 07 0211 | 08 0323 | 08 0323 | 03 1221 | 03 1221 | 08 0804 | 08 0804 |
| 07 0217 | 07 0217 | 08 0324 | 08 0324 | 03 1227 | 03 1227 | 08 0805 | 08 0805 |
| 07 0321 | 07 0321 | 08 0412 | 08 0412 | 04 0112 | 04 0112 | 08 0806 | 08 0806 |
| 07 0327 | 07 0327 | 08 0414 | 08 0414 | 04 0120 | 04 0120 | 08 0824 | 08 0824 |
| 07 0403 | 07 0403 | 08 0507 | 08 0507 | 04 0504 | 04 0504 | 08 0828 | 08 0828 |
| 07 0404 | 07 0404 | 08 0509 | 08 0509 | 04 0525 | 04 0525 | 08 0829 | 08 0829 |
| 07 0422 | 07 0422 | 08 0510 | 08 0510 | 04 0810 | 04 0810 | 08 0831 | 08 0831 |
| 07 0513 | 07 0513 | 08 0531 | 08 0531 | 04 0811 | 04 0811 | 08 0907 | 08 0907 |
| 07 0514 | 07 0514 | 08 0620 | 08 0620 | 04 0913 | 04 0913 | 08 0924 | 08 0924 |
| 07 0516 | 07 0516 | 08 0710 | 08 0710 | 04 1028 | 04 1028 | 08 0925 | 08 0925 |
| 07 0522 | 07 0522 | 08 0711 | 08 0711 | 04 1201 | 04 1201 | 08 0926 | 08 0926 |
| 07 0524 | 07 0524 | 08 0713 | 08 0713 | 05 0402 | 05 0402 | 08 0927 | 08 0927 |

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| 08 1006 08 1006 | 05 0709 05 0709 | 03 1217 03 1217 | 03 0326 03 0326 |
| 08 1010 08 1010 | 05 0710 05 0710 | 03 1225 03 1225 | 03 0329 03 0329 |
| 08 1013 08 1013 | 05 0711 05 0711 | 04 0108 04 0108 | 03 0813 03 0813 |
| 08 1014 08 1014 | 06 0120 06 0120 | 04 0329 04 0329 | 04 0107 04 0107 |
| 08 1015 08 1015 | 06 0127 06 0127 | 04 0401 04 0401 | 04 0110 04 0110 |
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| 08 1117 08 1117 | 06 0919 06 0919 | 04 0902 04 0902 | 05 0122 05 0122 |
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| 08 1217 08 1217 | 06 1002 06 1002 | 05 0121 05 0121 | 06 0220 06 0220 |
| 08 1223 08 1223 | 06 1009 06 1009 | 05 0405 05 0405 | 06 0630 06 0630 |
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| 8954.00 1066.091 | 07 0603 07 0603 | 06 0423 06 0423 | 08 0122 08 0122 |
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| 1082.599 | 07 0821 07 0821 | 06 1004 06 1004 | 08 0310 08 0310 |
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| 03 1222 03 1222 | 08 1007 08 1007 | 08 0724 08 0724 | 7408.00 792.842 |
| 03 1226 03 1226 | 08 1011 08 1011 | 08 0817 08 0817 | 8954.00 824.422 |
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| 04 0817 04 0817 | 5680.00 740.318 | 08 1231 08 1231 | 'CURVE13' 021 13 |
| 04 0818 04 0818 | 6878.00 871.912 | 0.00 0.000 | 0 0 |
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| 05 0123 05 0123 | 1005.928 | 5680.00 685.768 | 04 0813 04 0813 |
| 05 0124 05 0124 | 13383.00 | 6878.00 807.666 | 04 0821 04 0821 |
| 05 0125 05 0125 | 1007.543 | 7408.00 882.449 | 04 0822 04 0822 |
| 05 0524 05 0524 | 21753.00 968.791 | 8954.00 917.598 | 04 0827 04 0827 |
| 05 0525 05 0525 | 28145.00 933.269 | 10166.00 931.807 | 04 0828 04 0828 |
| 05 0527 05 0527 | 150000.00 | 13383.00 933.302 | 05 0115 05 0115 |
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| 05 0602 05 0602 | 'CURVE11' 050 13 | 28145.00 864.501 | 05 0403 05 0403 |
| 05 0608 05 0608 | 0 0 | | 05 0614 05 0614 |

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| 06 0809 | 06 0809 | 08 0813 | 08 0813 | 460.825 | | 6878.00 | 337.861 |
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| 06 1006 | 06 1006 | 08 0821 | 08 0821 | 0 0 | | 8954.00 | 383.847 |
| 08 0721 | 08 0721 | 08 0921 | 08 0921 | 03 1216 | 03 1216 | 10166.00 | 389.791 |
| 08 0731 | 08 0731 | 08 1026 | 08 1026 | 04 1225 | 04 1225 | 13383.00 | 390.417 |
| 08 0815 | 08 0815 | 0.00 | 0.000 | 04 1230 | 04 1230 | 21753.00 | 375.401 |
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| 5680.00 | 593.513 | 7408.00 | 684.667 | 4602.00 | 305.334 | 05 0606 | 05 0606 |
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| 10166.00 | 806.453 | 21753.00 | 696.271 | 8954.00 | 511.112 | 3486.00 | 149.625 |
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| 582.510 | | 0 0 | | 150000.00 | | 8954.00 | 325.513 |
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| 03 1113 | 03 1113 | 05 0404 | 05 0404 | 03 1215 | 03 1215 | 28145.00 | 306.678 |
| 04 0109 | 04 0109 | 05 0824 | 05 0824 | 0.00 | 0.000 | 150000.00 | |
| 04 0802 | 04 0802 | 06 0801 | 06 0801 | 2000.00 | 111.592 | 238.763 | |
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| 04 0814 | 04 0814 | 06 0803 | 06 0803 | 4602.00 | 263.862 | 0 0 | |
| 04 0823 | 04 0823 | 08 0722 | 08 0722 | 5680.00 | 330.097 | 04 1227 | 04 1227 |
| 04 0824 | 04 0824 | 08 0726 | 08 0726 | 6878.00 | 388.773 | 04 1228 | 04 1228 |
| 04 0825 | 04 0825 | 08 0807 | 08 0807 | 7408.00 | 424.770 | 04 1229 | 04 1229 |
| 04 0826 | 04 0826 | 08 0820 | 08 0820 | 8954.00 | 441.689 | 0.00 | 0.000 |
| 04 0830 | 04 0830 | 08 1027 | 08 1027 | 10166.00 | 448.529 | 2000.00 | 61.000 |
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| 04 1231 | 04 1231 | 0.00 | 0.000 | 28145.00 | 416.131 | 5680.00 | 180.443 |
| 06 0116 | 06 0116 | 2000.00 | 158.728 | 150000.00 | | 6878.00 | 212.517 |
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| 06 0808 | 06 0808 | 4602.00 | 375.316 | 'CURVE18' | 003 13 | 8954.00 | 241.443 |
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| 08 0727 | 08 0727 | 6878.00 | 552.990 | 04 1226 | 04 1226 | 13383.00 | 245.575 |
| 08 0728 | 08 0728 | 7408.00 | 604.192 | 05 0119 | 05 0119 | 21753.00 | 236.130 |
| 08 0729 | 08 0729 | 8954.00 | 628.258 | 06 0804 | 06 0804 | 28145.00 | 227.472 |
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HWBEG Input File for Spier Falls

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
06
'SPIER' 'GENERAL' 23
'CURVE200' 14 3 0 0          |      05 0330  05 0330          |      03 0928  03 0928
03 0916  03 0916          |      05 0331  05 0331          |      03 1018  03 1018
04 0622  04 0622          |      0.00 0.000          |      04 0324  04 0324
04 0626  04 0628          |      2000.00 327.391          |      04 0711  04 0711
04 0824  04 1031          |      2737.00 440.808          |      04 0714  04 0714
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06 0928  06 1005          |      28361.00 1420.642          |      06 0830  06 0830
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100000 212          |      03 0320  03 0320          |      08 0830  08 0830
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05 0329  05 0329          |      03 0924  03 0924          |      2000.00 299.287

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| 12386.00 | 1389.549 | 08 0619 | 08 0619 | 150000.00 | 1245.707 |
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| 03 0402 | 03 0402 | 8205.00 | 1191.374 | 03 0329 | 03 0329 |
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| 03 0529 | 03 0529 | 12386.00 | 1326.016 | 03 0331 | 03 0331 |
| 03 0604 | 03 0604 | 28361.00 | 1239.315 | 03 0401 | 03 0401 |
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| 03 0806 | 03 0806 | 75000.00 | 1224.015 | 03 0414 | 03 0414 |
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| 07 1121 | 07 1121 | 08 0816 | 08 0816 | 05 0118 | 05 0118 |
| 07 1122 | 07 1122 | 08 0817 | 08 0817 | 05 0202 | 05 0202 |
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| 08 0101 | 08 0101 | 08 1211 | 08 1211 | 05 0531 | 05 0531 |
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| 07 0221 | 07 0221 | 08 1030 | 08 1030 | 08 0925 | 08 0925 |
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| 07 0310 | 07 0310 | 08 1209 | 08 1209 | 08 1006 | 08 1006 |
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| 07 0909 | 07 0909 | 03 0217 03 0217 | | 08 1215 | 08 1215 |
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| 'CURVE11' | 027 13 0 0 | 08 1118 | 08 1118 | 05 0107 | 05 0107 |
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| 08 1212 | 08 1212 | 04 1008 | 04 1008 | 04 1030 | 04 1030 |
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HWBEG Input File for Sherman Island

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
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01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
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14 13 14 0
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16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
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'SHERMAN' 'GENERAL' 20
'CURVE01' 043 13 0 0 | 03 1013 03 1013 | 08 0830 08 0830
03 0101 03 0101 | 03 1014 03 1014 | 08 1025 08 1025
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| 03 0826 | 03 0826 | 07 0718 | 07 0718 | 03 0413 | 03 0413 |
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| 05 0717 | 05 0717 | 2000.00 | 205.170 | 05 0304 | 05 0304 |
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| 06 0620 | 06 0620 | 08 0222 | 08 0222 | 04 1002 | 04 1002 |
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| 05 0807 | 05 0807 | 08 0110 | 08 0110 | 03 0328 | 03 0328 |
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| 05 1002 | 05 1002 | 08 0203 | 08 0203 | 03 0620 | 03 0620 |
| 05 1011 | 05 1011 | 08 0205 | 08 0205 | 03 0622 | 03 0622 |
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| 06 0813 | 06 0813 | 08 0425 | 08 0425 | 04 0324 | 04 0324 |
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| 07 0423 | 07 0423 | 45000.00 | 703.077 | 04 0815 | 04 0815 |
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| 07 0430 | 07 0430 | 117000.00 | 703.077 | 04 0930 | 04 0930 |
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| 07 0816 | 07 0816 | 03 0220 | 03 0220 | 04 1221 | 04 1221 |
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| 05 0705 | 05 0705 | 06 0613 | 06 0613 | 07 1023 | 07 1023 |
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| 05 0923 | 05 0923 | 07 0324 | 07 0324 | 08 0201 | 08 0201 |
| 05 0924 | 05 0924 | 07 0408 | 07 0408 | 08 0204 | 08 0204 |
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| 08 0426 | 08 0426 | 04 0118 | 04 0118 | 04 1024 | 04 1024 |
| 08 0430 | 08 0430 | 04 0120 | 04 0120 | 04 1027 | 04 1027 |
| 08 0504 | 08 0504 | 04 0123 | 04 0123 | 04 1120 | 04 1120 |
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| 08 0818 | 08 0818 | 03 0621 | 03 0621 | 05 0401 | 05 0401 |
| 08 0829 | 08 0829 | 03 0724 | 03 0724 | 05 0403 | 05 0403 |
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| 08 0902 | 08 0902 | 03 0730 | 03 0730 | 05 0407 | 05 0407 |
| 08 0903 | 08 0903 | 03 0831 | 03 0831 | 05 0408 | 05 0408 |
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| 08 0907 | 08 0907 | 04 0326 | 04 0326 | 05 0417 | 05 0417 |
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| 08 1002 | 08 1002 | 04 0501 | 04 0501 | 05 0427 | 05 0427 |
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| 08 1007 | 08 1007 | 04 0518 | 04 0518 | 05 0506 | 05 0506 |
| 08 1009 | 08 1009 | 04 0525 | 04 0525 | 05 0510 | 05 0510 |
| 08 1011 | 08 1011 | 04 0614 | 04 0614 | 05 0516 | 05 0516 |
| 08 1015 | 08 1015 | 04 0618 | 04 0618 | 05 0525 | 05 0525 |
| 08 1016 | 08 1016 | 04 0619 | 04 0619 | 05 0527 | 05 0527 |
| 08 1201 | 08 1201 | 04 0623 | 04 0623 | 05 0622 | 05 0622 |
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| 08 1220 | 08 1220 | 04 0627 | 04 0627 | 05 0628 | 05 0628 |
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| 25713.00 | 616.754 | 04 0808 | 04 0808 | 05 0908 | 05 0908 |
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| 'CURVE07' | 340 13 0 0 | 04 0919 | 04 0919 | 05 1025 | 05 1025 |
| 03 0106 | 03 0106 | 04 0927 | 04 0927 | 05 1027 | 05 1027 |
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| 03 0124 | 03 0124 | 04 1005 | 04 1005 | 05 1029 | 05 1029 |
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| 03 0218 | 03 0218 | 04 1209 | 04 1209 | 05 1110 | 05 1110 |
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| 05 1216 | 05 1216 | 06 0615 | 06 0615 | 07 0814 | 07 0814 |
| 05 1218 | 05 1218 | 06 0617 | 06 0617 | 07 0815 | 07 0815 |
| 05 1226 | 05 1226 | 06 0621 | 06 0621 | 07 0818 | 07 0818 |
| 05 1231 | 05 1231 | 06 0629 | 06 0629 | 07 0823 | 07 0823 |
| 06 0113 | 06 0113 | 06 0701 | 06 0701 | 07 0827 | 07 0827 |
| 06 0114 | 06 0114 | 06 0702 | 06 0702 | 07 0831 | 07 0831 |
| 06 0116 | 06 0116 | 06 0703 | 06 0703 | 07 0914 | 07 0914 |
| 06 0117 | 06 0117 | 06 0704 | 06 0704 | 07 0917 | 07 0917 |
| 06 0119 | 06 0119 | 06 0705 | 06 0705 | 07 0925 | 07 0925 |
| 06 0120 | 06 0120 | 06 0708 | 06 0708 | 07 1004 | 07 1004 |
| 06 0121 | 06 0121 | 06 0709 | 06 0709 | 07 1005 | 07 1005 |
| 06 0122 | 06 0122 | 06 0713 | 06 0713 | 07 1009 | 07 1009 |
| 06 0123 | 06 0123 | 06 0715 | 06 0715 | 07 1021 | 07 1021 |
| 06 0124 | 06 0124 | 06 0716 | 06 0716 | 07 1024 | 07 1024 |
| 06 0207 | 06 0207 | 06 0718 | 06 0718 | 07 1026 | 07 1026 |
| 06 0209 | 06 0209 | 06 0719 | 06 0719 | 07 1028 | 07 1028 |
| 06 0211 | 06 0211 | 06 0720 | 06 0720 | 07 1031 | 07 1031 |
| 06 0212 | 06 0212 | 06 0723 | 06 0723 | 07 1108 | 07 1108 |
| 06 0213 | 06 0213 | 06 0724 | 06 0724 | 07 1112 | 07 1112 |
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| 06 0215 | 06 0215 | 06 0823 | 06 0823 | 07 1116 | 07 1116 |
| 06 0301 | 06 0301 | 06 0826 | 06 0826 | 07 1120 | 07 1120 |
| 06 0302 | 06 0302 | 06 0903 | 06 0903 | 07 1125 | 07 1125 |
| 06 0303 | 06 0303 | 06 0909 | 06 0909 | 07 1130 | 07 1130 |
| 06 0306 | 06 0306 | 06 0910 | 06 0910 | 07 1201 | 07 1201 |
| 06 0307 | 06 0307 | 06 0913 | 06 0913 | 07 1202 | 07 1202 |
| 06 0313 | 06 0313 | 06 0915 | 06 0915 | 07 1207 | 07 1207 |
| 06 0314 | 06 0314 | 06 0918 | 06 0918 | 07 1208 | 07 1208 |
| 06 0320 | 06 0320 | 06 0923 | 06 0923 | 07 1212 | 07 1212 |
| 06 0323 | 06 0323 | 06 0924 | 06 0924 | 07 1215 | 07 1215 |
| 06 0329 | 06 0329 | 06 0929 | 06 0929 | 07 1225 | 07 1225 |
| 06 0407 | 06 0407 | 06 1001 | 06 1001 | 07 1226 | 07 1226 |
| 06 0413 | 06 0413 | 07 0208 | 07 0208 | 07 1228 | 07 1228 |
| 06 0415 | 06 0415 | 07 0209 | 07 0209 | 08 0102 | 08 0102 |
| 06 0416 | 06 0416 | 07 0225 | 07 0225 | 08 0112 | 08 0112 |
| 06 0424 | 06 0424 | 07 0226 | 07 0226 | 08 0118 | 08 0118 |
| 06 0425 | 06 0425 | 07 0227 | 07 0227 | 08 0207 | 08 0207 |
| 06 0426 | 06 0426 | 07 0301 | 07 0301 | 08 0209 | 08 0209 |
| 06 0427 | 06 0427 | 07 0305 | 07 0305 | 08 0229 | 08 0229 |
| 06 0429 | 06 0429 | 07 0306 | 07 0306 | 08 0303 | 08 0303 |
| 06 0430 | 06 0430 | 07 0307 | 07 0307 | 08 0309 | 08 0309 |
| 06 0501 | 06 0501 | 07 0308 | 07 0308 | 08 0318 | 08 0318 |
| 06 0502 | 06 0502 | 07 0311 | 07 0311 | 08 0330 | 08 0330 |
| 06 0503 | 06 0503 | 07 0312 | 07 0312 | 08 0401 | 08 0401 |
| 06 0504 | 06 0504 | 07 0313 | 07 0313 | 08 0403 | 08 0403 |
| 06 0505 | 06 0505 | 07 0321 | 07 0321 | 08 0409 | 08 0409 |
| 06 0506 | 06 0506 | 07 0330 | 07 0330 | 08 0413 | 08 0413 |
| 06 0507 | 06 0507 | 07 0424 | 07 0424 | 08 0421 | 08 0421 |
| 06 0513 | 06 0513 | 07 0425 | 07 0425 | 08 0509 | 08 0509 |
| 06 0517 | 06 0517 | 07 0514 | 07 0514 | 08 0511 | 08 0511 |
| 06 0518 | 06 0518 | 07 0516 | 07 0516 | 08 0513 | 08 0513 |
| 06 0521 | 06 0521 | 07 0517 | 07 0517 | 08 0515 | 08 0515 |
| 06 0524 | 06 0524 | 07 0521 | 07 0521 | 08 0619 | 08 0619 |
| 06 0525 | 06 0525 | 07 0617 | 07 0617 | 08 0625 | 08 0625 |
| 06 0526 | 06 0526 | 07 0618 | 07 0618 | 08 0629 | 08 0629 |
| 06 0527 | 06 0527 | 07 0626 | 07 0626 | 08 0715 | 08 0715 |
| 06 0529 | 06 0529 | 07 0702 | 07 0702 | 08 0719 | 08 0719 |

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| 08 0806 | 08 0806 | 04 0223 | 04 0223 | 04 0828 | 04 0828 |
| 08 0810 | 08 0810 | 04 0307 | 04 0307 | 04 0830 | 04 0830 |
| 08 0813 | 08 0813 | 04 0315 | 04 0315 | 04 0905 | 04 0905 |
| 08 0817 | 08 0817 | 04 0316 | 04 0316 | 04 0921 | 04 0921 |
| 08 0824 | 08 0824 | 04 0318 | 04 0318 | 04 0924 | 04 0924 |
| 08 0914 | 08 0914 | 04 0319 | 04 0319 | 04 0925 | 04 0925 |
| 08 0919 | 08 0919 | 04 0320 | 04 0320 | 04 0929 | 04 0929 |
| 08 0929 | 08 0929 | 04 0321 | 04 0321 | 04 1006 | 04 1006 |
| 08 0930 | 08 0930 | 04 0327 | 04 0327 | 04 1026 | 04 1026 |
| 08 1001 | 08 1001 | 04 0329 | 04 0329 | 04 1226 | 04 1226 |
| 08 1204 | 08 1204 | 04 0330 | 04 0330 | 04 1228 | 04 1228 |
| 08 1207 | 08 1207 | 04 0331 | 04 0331 | 05 0117 | 05 0117 |
| 08 1209 | 08 1209 | 04 0401 | 04 0401 | 05 0118 | 05 0118 |
| 0.00 | 0.000 | 04 0402 | 04 0402 | 05 0214 | 05 0214 |
| 2000.00 | 184.926 | 04 0405 | 04 0405 | 05 0405 | 05 0405 |
| 4306.00 | 426.017 | 04 0406 | 04 0406 | 05 0414 | 05 0414 |
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| 30000.00 | 652.501 | 04 0419 | 04 0419 | 05 0430 | 05 0430 |
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| 'CURVE08' | 309 13 0 0 | 04 0506 | 04 0506 | 05 0528 | 05 0528 |
| 03 0122 | 03 0122 | 04 0507 | 04 0507 | 05 0530 | 05 0530 |
| 03 0217 | 03 0217 | 04 0511 | 04 0511 | 05 0602 | 05 0602 |
| 03 0221 | 03 0221 | 04 0513 | 04 0513 | 05 0614 | 05 0614 |
| 03 0227 | 03 0227 | 04 0516 | 04 0516 | 05 0615 | 05 0615 |
| 03 0408 | 03 0408 | 04 0519 | 04 0519 | 05 0616 | 05 0616 |
| 03 0420 | 03 0420 | 04 0526 | 04 0526 | 05 0623 | 05 0623 |
| 03 0421 | 03 0421 | 04 0527 | 04 0527 | 05 0625 | 05 0625 |
| 03 0424 | 03 0424 | 04 0528 | 04 0528 | 05 0626 | 05 0626 |
| 03 0425 | 03 0425 | 04 0530 | 04 0530 | 05 0627 | 05 0627 |
| 03 0426 | 03 0426 | 04 0531 | 04 0531 | 05 0726 | 05 0726 |
| 03 0428 | 03 0428 | 04 0601 | 04 0601 | 05 0728 | 05 0728 |
| 03 0509 | 03 0509 | 04 0603 | 04 0603 | 05 0804 | 05 0804 |
| 03 0510 | 03 0510 | 04 0604 | 04 0604 | 05 0806 | 05 0806 |
| 03 0511 | 03 0511 | 04 0607 | 04 0607 | 05 0823 | 05 0823 |
| 03 0512 | 03 0512 | 04 0609 | 04 0609 | 05 0912 | 05 0912 |
| 03 0523 | 03 0523 | 04 0610 | 04 0610 | 05 1009 | 05 1009 |
| 03 0524 | 03 0524 | 04 0611 | 04 0611 | 05 1013 | 05 1013 |
| 03 0525 | 03 0525 | 04 0612 | 04 0612 | 05 1017 | 05 1017 |
| 03 0526 | 03 0526 | 04 0613 | 04 0613 | 05 1021 | 05 1021 |
| 03 0527 | 03 0527 | 04 0616 | 04 0616 | 05 1023 | 05 1023 |
| 03 0611 | 03 0611 | 04 0621 | 04 0621 | 05 1024 | 05 1024 |
| 03 0612 | 03 0612 | 04 0624 | 04 0624 | 05 1031 | 05 1031 |
| 03 0614 | 03 0614 | 04 0630 | 04 0630 | 05 1105 | 05 1105 |
| 03 0615 | 03 0615 | 04 0710 | 04 0710 | 05 1112 | 05 1112 |
| 03 0707 | 03 0707 | 04 0713 | 04 0713 | 05 1114 | 05 1114 |
| 03 0803 | 03 0803 | 04 0730 | 04 0730 | 05 1115 | 05 1115 |
| 03 0810 | 03 0810 | 04 0731 | 04 0731 | 05 1119 | 05 1119 |
| 03 1001 | 03 1001 | 04 0801 | 04 0801 | 06 0115 | 06 0115 |
| 03 1003 | 03 1003 | 04 0805 | 04 0805 | 06 0125 | 06 0125 |
| 03 1011 | 03 1011 | 04 0806 | 04 0806 | 06 0126 | 06 0126 |
| 03 1021 | 03 1021 | 04 0809 | 04 0809 | 06 0127 | 06 0127 |
| 03 1026 | 03 1026 | 04 0810 | 04 0810 | 06 0128 | 06 0128 |
| 04 0113 | 04 0113 | 04 0816 | 04 0816 | 06 0129 | 06 0129 |

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| 06 0130 | 06 0130 | 06 0921 | 06 0921 | 08 0706 | 08 0706 |
| 06 0131 | 06 0131 | 06 0925 | 06 0925 | 08 0709 | 08 0709 |
| 06 0201 | 06 0201 | 06 0930 | 06 0930 | 08 0712 | 08 0712 |
| 06 0204 | 06 0204 | 06 1010 | 06 1010 | 08 0716 | 08 0716 |
| 06 0205 | 06 0205 | 06 1011 | 06 1011 | 08 0720 | 08 0720 |
| 06 0206 | 06 0206 | 07 0207 | 07 0207 | 08 0722 | 08 0722 |
| 06 0210 | 06 0210 | 07 0210 | 07 0210 | 08 0727 | 08 0727 |
| 06 0216 | 06 0216 | 07 0212 | 07 0212 | 08 0728 | 08 0728 |
| 06 0218 | 06 0218 | 07 0213 | 07 0213 | 08 0809 | 08 0809 |
| 06 0222 | 06 0222 | 07 0216 | 07 0216 | 08 0812 | 08 0812 |
| 06 0223 | 06 0223 | 07 0218 | 07 0218 | 08 0814 | 08 0814 |
| 06 0225 | 06 0225 | 07 0219 | 07 0219 | 08 0816 | 08 0816 |
| 06 0226 | 06 0226 | 07 0220 | 07 0220 | 08 0912 | 08 0912 |
| 06 0228 | 06 0228 | 07 0310 | 07 0310 | 08 0928 | 08 0928 |
| 06 0304 | 06 0304 | 07 0315 | 07 0315 | 08 1004 | 08 1004 |
| 06 0305 | 06 0305 | 07 0426 | 07 0426 | 08 1005 | 08 1005 |
| 06 0311 | 06 0311 | 07 0513 | 07 0513 | 08 1010 | 08 1010 |
| 06 0312 | 06 0312 | 07 0522 | 07 0522 | 08 1014 | 08 1014 |
| 06 0315 | 06 0315 | 07 0604 | 07 0604 | 08 1019 | 08 1019 |
| 06 0316 | 06 0316 | 07 0620 | 07 0620 | 08 1020 | 08 1020 |
| 06 0317 | 06 0317 | 07 0625 | 07 0625 | 08 1023 | 08 1023 |
| 06 0318 | 06 0318 | 07 0627 | 07 0627 | 08 1028 | 08 1028 |
| 06 0321 | 06 0321 | 07 0630 | 07 0630 | 08 1125 | 08 1125 |
| 06 0322 | 06 0322 | 07 0710 | 07 0710 | 08 1208 | 08 1208 |
| 06 0324 | 06 0324 | 07 0726 | 07 0726 | 0.00 | 0.000 |
| 06 0325 | 06 0325 | 07 0801 | 07 0801 | 2000.00 | 177.185 |
| 06 0326 | 06 0326 | 07 0824 | 07 0824 | 4306.00 | 408.186 |
| 06 0327 | 06 0327 | 07 0829 | 07 0829 | 6029.00 | 580.302 |
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| 06 0401 | 06 0401 | 07 0904 | 07 0904 | 8248.00 | 675.491 |
| 06 0404 | 06 0404 | 07 0906 | 07 0906 | 16805.00 | 648.550 |
| 06 0406 | 06 0406 | 07 0909 | 07 0909 | 25713.00 | 641.795 |
| 06 0408 | 06 0408 | 07 0918 | 07 0918 | 30000.00 | 625.191 |
| 06 0409 | 06 0409 | 07 0921 | 07 0921 | 45000.00 | 625.191 |
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| 06 0411 | 06 0411 | 07 0926 | 07 0926 | 117000.00 | 625.191 |
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| 06 0421 | 06 0421 | 07 1114 | 07 1114 | 03 0403 | 03 0403 |
| 06 0422 | 06 0422 | 07 1119 | 07 1119 | 03 0518 | 03 0518 |
| 06 0428 | 06 0428 | 07 1121 | 07 1121 | 03 0519 | 03 0519 |
| 06 0508 | 06 0508 | 07 1124 | 07 1124 | 03 0520 | 03 0520 |
| 06 0528 | 06 0528 | 07 1126 | 07 1126 | 03 0608 | 03 0608 |
| 06 0603 | 06 0603 | 07 1127 | 07 1127 | 03 0609 | 03 0609 |
| 06 0606 | 06 0606 | 07 1218 | 07 1218 | 03 0618 | 03 0618 |
| 06 0630 | 06 0630 | 07 1219 | 07 1219 | 03 0713 | 03 0713 |
| 06 0710 | 06 0710 | 08 0221 | 08 0221 | 03 0811 | 03 0811 |
| 06 0711 | 06 0711 | 08 0302 | 08 0302 | 03 0816 | 03 0816 |
| 06 0712 | 06 0712 | 08 0307 | 08 0307 | 03 0817 | 03 0817 |
| 06 0717 | 06 0717 | 08 0408 | 08 0408 | 03 1002 | 03 1002 |
| 06 0721 | 06 0721 | 08 0507 | 08 0507 | 03 1004 | 03 1004 |
| 06 0811 | 06 0811 | 08 0508 | 08 0508 | 03 1022 | 03 1022 |
| 06 0817 | 06 0817 | 08 0510 | 08 0510 | 04 0110 | 04 0110 |
| 06 0831 | 06 0831 | 08 0514 | 08 0514 | 04 0115 | 04 0115 |
| 06 0901 | 06 0901 | 08 0524 | 08 0524 | 04 0116 | 04 0116 |
| 06 0904 | 06 0904 | 08 0617 | 08 0617 | 04 0117 | 04 0117 |
| 06 0907 | 06 0907 | 08 0618 | 08 0618 | 04 0124 | 04 0124 |
| 06 0911 | 06 0911 | 08 0622 | 08 0622 | 04 0127 | 04 0127 |
| 06 0912 | 06 0912 | 08 0623 | 08 0623 | 04 0131 | 04 0131 |
| 06 0914 | 06 0914 | 08 0626 | 08 0626 | 04 0201 | 04 0201 |
| 06 0916 | 06 0916 | 08 0628 | 08 0628 | 04 0206 | 04 0206 |
| 06 0917 | 06 0917 | 08 0630 | 08 0630 | 04 0207 | 04 0207 |

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| 04 0215 | 04 0215 | 07 0319 | 07 0319 | 03 0813 | 03 0813 |
| 04 0225 | 04 0225 | 07 0524 | 07 0524 | 03 0815 | 03 0815 |
| 04 0226 | 04 0226 | 07 0525 | 07 0525 | 03 1010 | 03 1010 |
| 04 0229 | 04 0229 | 07 0526 | 07 0526 | 03 1015 | 03 1015 |
| 04 0301 | 04 0301 | 07 0606 | 07 0606 | 03 1020 | 03 1020 |
| 04 0305 | 04 0305 | 07 0730 | 07 0730 | 03 1024 | 03 1024 |
| 04 0308 | 04 0308 | 07 0929 | 07 0929 | 03 1025 | 03 1025 |
| 04 0310 | 04 0310 | 07 1020 | 07 1020 | 03 1027 | 03 1027 |
| 04 0311 | 04 0311 | 08 0412 | 08 0412 | 04 0109 | 04 0109 |
| 04 0322 | 04 0322 | 08 0606 | 08 0606 | 04 0119 | 04 0119 |
| 04 0323 | 04 0323 | 08 0608 | 08 0608 | 04 0121 | 04 0121 |
| 04 0325 | 04 0325 | 08 0609 | 08 0609 | 04 0122 | 04 0122 |
| 04 0404 | 04 0404 | 08 0718 | 08 0718 | 04 0209 | 04 0209 |
| 04 0426 | 04 0426 | 08 0721 | 08 0721 | 04 0213 | 04 0213 |
| 04 0503 | 04 0503 | 08 0724 | 08 0724 | 04 0216 | 04 0216 |
| 04 0504 | 04 0504 | 08 0811 | 08 0811 | 04 0217 | 04 0217 |
| 04 0509 | 04 0509 | 08 0823 | 08 0823 | 04 0218 | 04 0218 |
| 04 0512 | 04 0512 | 08 0908 | 08 0908 | 04 0219 | 04 0219 |
| 04 0514 | 04 0514 | 08 0910 | 08 0910 | 04 0224 | 04 0224 |
| 04 0520 | 04 0520 | 08 0917 | 08 0917 | 04 0314 | 04 0314 |
| 04 0522 | 04 0522 | 08 0918 | 08 0918 | 04 0508 | 04 0508 |
| 04 0523 | 04 0523 | 08 0923 | 08 0923 | 04 0524 | 04 0524 |
| 04 0822 | 04 0822 | 08 0927 | 08 0927 | 04 0802 | 04 0802 |
| 04 0823 | 04 0823 | 08 1006 | 08 1006 | 04 0831 | 04 0831 |
| 04 0826 | 04 0826 | 08 1008 | 08 1008 | 04 0902 | 04 0902 |
| 04 0901 | 04 0901 | 08 1012 | 08 1012 | 04 0912 | 04 0912 |
| 04 0910 | 04 0910 | 08 1013 | 08 1013 | 04 0913 | 04 0913 |
| 04 0911 | 04 0911 | 08 1017 | 08 1017 | 04 0920 | 04 0920 |
| 04 0915 | 04 0915 | 08 1018 | 08 1018 | 04 1017 | 04 1017 |
| 04 0918 | 04 0918 | 08 1021 | 08 1021 | 04 1018 | 04 1018 |
| 04 1025 | 04 1025 | 08 1112 | 08 1112 | 04 1019 | 04 1019 |
| 04 1029 | 04 1029 | 08 1113 | 08 1113 | 04 1028 | 04 1028 |
| 04 1106 | 04 1106 | 08 1126 | 08 1126 | 04 1031 | 04 1031 |
| 04 1110 | 04 1110 | 08 1127 | 08 1127 | 04 1101 | 04 1101 |
| 04 1117 | 04 1117 | 08 1128 | 08 1128 | 04 1102 | 04 1102 |
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| 05 0213 | 05 0213 | 08 1202 | 08 1202 | 04 1109 | 04 1109 |
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| 05 0529 | 05 0529 | 08 1217 | 08 1217 | 04 1115 | 04 1115 |
| 05 0603 | 05 0603 | 08 1218 | 08 1218 | 05 0211 | 05 0211 |
| 05 0605 | 05 0605 | 0.00 | 0.000 | 05 0521 | 05 0521 |
| 05 0606 | 05 0606 | 2000.00 | 164.077 | 05 0608 | 05 0608 |
| 05 0607 | 05 0607 | 4306.00 | 377.987 | 05 0610 | 05 0610 |
| 05 0609 | 05 0609 | 6029.00 | 537.370 | 05 0611 | 05 0611 |
| 05 0613 | 05 0613 | 7220.00 | 632.549 | 05 0901 | 05 0901 |
| 05 0902 | 05 0902 | 8248.00 | 625.516 | 05 1209 | 05 1209 |
| 05 1107 | 05 1107 | 16805.00 | 600.568 | 06 0219 | 06 0219 |
| 05 1208 | 05 1208 | 25713.00 | 594.314 | 06 0509 | 06 0509 |
| 05 1215 | 05 1215 | 30000.00 | 578.937 | 06 0512 | 06 0512 |
| 06 0221 | 06 0221 | 45000.00 | 578.937 | 06 0725 | 06 0725 |
| 06 0319 | 06 0319 | 75000.00 | 578.937 | 06 1005 | 06 1005 |
| 06 0331 | 06 0331 | 117000.00 | 578.937 | 07 0119 | 07 0119 |
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| 06 0624 | 06 0624 | 'CURVE10' | 113 13 0 0 | 07 0121 | 07 0121 |
| 06 0714 | 06 0714 | 03 0404 | 03 0404 | 07 0122 | 07 0122 |
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| 06 0809 | 06 0809 | 03 0530 | 03 0530 | 07 0124 | 07 0124 |
| 06 0906 | 06 0906 | 03 0602 | 03 0602 | 07 0125 | 07 0125 |
| 06 1004 | 06 1004 | 03 0607 | 03 0607 | 07 0126 | 07 0126 |
| 06 1012 | 06 1012 | 03 0616 | 03 0616 | 07 0127 | 07 0127 |
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| 07 0130 | 07 0130 | 03 1006 | 03 1006 | 08 0522 | 08 0522 |
| 07 0131 | 07 0131 | 03 1008 | 03 1008 | 08 0523 | 08 0523 |
| 07 0201 | 07 0201 | 03 1009 | 03 1009 | 08 0526 | 08 0526 |
| 07 0202 | 07 0202 | 03 1016 | 03 1016 | 08 0529 | 08 0529 |
| 07 0203 | 07 0203 | 03 1018 | 03 1018 | 08 0601 | 08 0601 |
| 07 0204 | 07 0204 | 03 1019 | 03 1019 | 08 0602 | 08 0602 |
| 07 0205 | 07 0205 | 03 1023 | 03 1023 | 08 0604 | 08 0604 |
| 07 0206 | 07 0206 | 03 1104 | 03 1104 | 08 0610 | 08 0610 |
| 07 0214 | 07 0214 | 03 1113 | 03 1113 | 08 0611 | 08 0611 |
| 07 0317 | 07 0317 | 03 1118 | 03 1118 | 08 0612 | 08 0612 |
| 07 0318 | 07 0318 | 03 1119 | 03 1119 | 08 0613 | 08 0613 |
| 07 0527 | 07 0527 | 04 0107 | 04 0107 | 08 0614 | 08 0614 |
| 07 0528 | 07 0528 | 04 1020 | 04 1020 | 08 0615 | 08 0615 |
| 07 0603 | 07 0603 | 04 1021 | 04 1021 | 08 0815 | 08 0815 |
| 07 0607 | 07 0607 | 04 1023 | 04 1023 | 08 0820 | 08 0820 |
| 07 0608 | 07 0608 | 04 1105 | 04 1105 | 08 0827 | 08 0827 |
| 07 0610 | 07 0610 | 04 1107 | 04 1107 | 08 0906 | 08 0906 |
| 07 0802 | 07 0802 | 04 1113 | 04 1113 | 08 0916 | 08 0916 |
| 08 0410 | 08 0410 | 04 1116 | 04 1116 | 08 0922 | 08 0922 |
| 08 0411 | 08 0411 | 04 1126 | 04 1126 | 08 1026 | 08 1026 |
| 08 0517 | 08 0517 | 04 1127 | 04 1127 | 08 1029 | 08 1029 |
| 08 0518 | 08 0518 | 04 1130 | 04 1130 | 08 1102 | 08 1102 |
| 08 0531 | 08 0531 | 04 1201 | 04 1201 | 08 1103 | 08 1103 |
| 08 0607 | 08 0607 | 04 1202 | 04 1202 | 08 1104 | 08 1104 |
| 08 0616 | 08 0616 | 04 1203 | 04 1203 | 08 1107 | 08 1107 |
| 08 0731 | 08 0731 | 04 1204 | 04 1204 | 08 1115 | 08 1115 |
| 08 0807 | 08 0807 | 04 1205 | 04 1205 | 08 1116 | 08 1116 |
| 08 0819 | 08 0819 | 04 1206 | 04 1206 | 08 1117 | 08 1117 |
| 08 0821 | 08 0821 | 04 1207 | 04 1207 | 08 1118 | 08 1118 |
| 08 0822 | 08 0822 | 05 0311 | 05 0311 | 08 1119 | 08 1119 |
| 08 0826 | 08 0826 | 05 0312 | 05 0312 | 08 1120 | 08 1120 |
| 08 0911 | 08 0911 | 05 0404 | 05 0404 | 08 1121 | 08 1121 |
| 08 0925 | 08 0925 | 05 0522 | 05 0522 | 08 1123 | 08 1123 |
| 08 1022 | 08 1022 | 05 0523 | 05 0523 | 08 1124 | 08 1124 |
| 08 1105 | 08 1105 | 05 0612 | 05 0612 | 08 1211 | 08 1211 |
| 08 1106 | 08 1106 | 06 0402 | 06 0402 | 08 1212 | 08 1212 |
| 08 1111 | 08 1111 | 06 0423 | 06 0423 | 08 1215 | 08 1215 |
| 08 1114 | 08 1114 | 06 0726 | 06 0726 | 08 1216 | 08 1216 |
| 08 1122 | 08 1122 | 06 0728 | 06 0728 | 0.00 | 0.000 |
| 08 1213 | 08 1213 | 06 0729 | 06 0729 | 2000.00 | 144.211 |
| 08 1214 | 08 1214 | 06 0730 | 06 0730 | 4306.00 | 332.221 |
| 08 1219 | 08 1219 | 06 0731 | 06 0731 | 6029.00 | 472.306 |
| 0.00 | 0.000 | 06 0801 | 06 0801 | 7220.00 | 555.961 |
| 2000.00 | 156.254 | 06 0804 | 06 0804 | 8248.00 | 549.779 |
| 4306.00 | 359.966 | 06 0805 | 06 0805 | 16805.00 | 527.852 |
| 6029.00 | 511.749 | 06 0806 | 06 0806 | 25713.00 | 522.355 |
| 7220.00 | 602.391 | 06 0807 | 06 0807 | 30000.00 | 508.840 |
| 8248.00 | 595.692 | 06 0810 | 06 0810 | 45000.00 | 508.840 |
| 16805.00 | 571.934 | 07 0118 | 07 0118 | 75000.00 | 508.840 |
| 25713.00 | 565.978 | 07 0221 | 07 0221 | 117000.00 | 508.840 |
| 30000.00 | 551.335 | 07 0529 | 07 0529 | 150000.00 | 508.840 |
| 45000.00 | 551.335 | 07 0530 | 07 0530 | 'CURVE12' | 088 13 0 0 |
| 75000.00 | 551.335 | 07 0531 | 07 0531 | 03 0405 | 03 0405 |
| 117000.00 | 551.335 | 07 0601 | 07 0601 | 03 0814 | 03 0814 |
| 150000.00 | 551.335 | 07 0602 | 07 0602 | 03 1017 | 03 1017 |
| 'CURVE11' | 108 13 0 0 | 07 0609 | 07 0609 | 03 1028 | 03 1028 |
| 03 0119 | 03 0119 | 07 0612 | 07 0612 | 03 1029 | 03 1029 |
| 03 0603 | 03 0603 | 07 0613 | 07 0613 | 03 1031 | 03 1031 |
| 03 0604 | 03 0604 | 07 0621 | 07 0621 | 03 1101 | 03 1101 |
| 03 0605 | 03 0605 | 07 0731 | 07 0731 | 03 1102 | 03 1102 |
| 03 0606 | 03 0606 | 07 1002 | 07 1002 | 03 1103 | 03 1103 |
| 03 0812 | 03 0812 | 08 0519 | 08 0519 | 03 1105 | 03 1105 |

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| 03 1108 | 03 1108 | 06 1006 | 06 1006 | 06 1201 | 06 1201 |
| 03 1109 | 03 1109 | 07 0611 | 07 0611 | 06 1207 | 06 1207 |
| 03 1110 | 03 1110 | 08 0525 | 08 0525 | 06 1208 | 06 1208 |
| 03 1111 | 03 1111 | 08 0528 | 08 0528 | 06 1209 | 06 1209 |
| 03 1114 | 03 1114 | 08 0530 | 08 0530 | 06 1210 | 06 1210 |
| 03 1115 | 03 1115 | 08 0603 | 08 0603 | 06 1211 | 06 1211 |
| 03 1116 | 03 1116 | 08 0605 | 08 0605 | 06 1212 | 06 1212 |
| 03 1120 | 03 1120 | 08 1027 | 08 1027 | 06 1213 | 06 1213 |
| 03 1121 | 03 1121 | 08 1030 | 08 1030 | 06 1214 | 06 1214 |
| 03 1122 | 03 1122 | 08 1031 | 08 1031 | 06 1215 | 06 1215 |
| 03 1124 | 03 1124 | 08 1101 | 08 1101 | 06 1216 | 06 1216 |
| 03 1125 | 03 1125 | 08 1108 | 08 1108 | 06 1217 | 06 1217 |
| 03 1126 | 03 1126 | 08 1109 | 08 1109 | 06 1218 | 06 1218 |
| 03 1127 | 03 1127 | 08 1110 | 08 1110 | 06 1219 | 06 1219 |
| 03 1128 | 03 1128 | 08 1230 | 08 1230 | 06 1220 | 06 1220 |
| 03 1129 | 03 1129 | 0.00 | 0.000 | 06 1221 | 06 1221 |
| 03 1130 | 03 1130 | 2000.00 | 134.201 | 06 1222 | 06 1222 |
| 03 1201 | 03 1201 | 4306.00 | 309.163 | 06 1223 | 06 1223 |
| 03 1202 | 03 1202 | 6029.00 | 439.524 | 06 1224 | 06 1224 |
| 03 1204 | 03 1204 | 7220.00 | 517.374 | 06 1225 | 06 1225 |
| 03 1205 | 03 1205 | 8248.00 | 511.621 | 06 1226 | 06 1226 |
| 03 1206 | 03 1206 | 16805.00 | 491.216 | 06 1227 | 06 1227 |
| 03 1207 | 03 1207 | 25713.00 | 486.100 | 06 1228 | 06 1228 |
| 03 1208 | 03 1208 | 30000.00 | 473.523 | 06 1229 | 06 1229 |
| 03 1209 | 03 1209 | 45000.00 | 473.523 | 06 1230 | 06 1230 |
| 03 1210 | 03 1210 | 75000.00 | 473.523 | 06 1231 | 06 1231 |
| 03 1211 | 03 1211 | 117000.00 | 473.523 | 07 0101 | 07 0101 |
| 03 1212 | 03 1212 | 150000.00 | 473.523 | 07 0102 | 07 0102 |
| 03 1213 | 03 1213 | 'CURVE13' | 010 13 0 0 | 07 0104 | 07 0104 |
| 03 1214 | 03 1214 | 03 0517 | 03 0517 | 07 0105 | 07 0105 |
| 03 1215 | 03 1215 | 03 1030 | 03 1030 | 07 0106 | 07 0106 |
| 03 1216 | 03 1216 | 03 1107 | 03 1107 | 07 0107 | 07 0107 |
| 03 1217 | 03 1217 | 03 1117 | 03 1117 | 07 0108 | 07 0108 |
| 03 1218 | 03 1218 | 03 1123 | 03 1123 | 07 0109 | 07 0109 |
| 03 1219 | 03 1219 | 04 0114 | 04 0114 | 07 0110 | 07 0110 |
| 03 1220 | 03 1220 | 06 0609 | 06 0609 | 07 0111 | 07 0111 |
| 03 1221 | 03 1221 | 07 0117 | 07 0117 | 07 0112 | 07 0112 |
| 03 1222 | 03 1222 | 08 0527 | 08 0527 | 07 0113 | 07 0113 |
| 03 1223 | 03 1223 | 08 0831 | 08 0831 | 07 0114 | 07 0114 |
| 03 1224 | 03 1224 | 0.00 | 0.000 | 07 0115 | 07 0115 |
| 03 1225 | 03 1225 | 2000.00 | 118.161 | 07 0116 | 07 0116 |
| 03 1226 | 03 1226 | 4306.00 | 272.210 | 08 0407 | 08 0407 |
| 03 1227 | 03 1227 | 6029.00 | 386.991 | 08 1231 | 08 1231 |
| 03 1228 | 03 1228 | 7220.00 | 455.535 | 0.00 | 0.000 |
| 03 1229 | 03 1229 | 8248.00 | 450.470 | 2000.00 | 101.173 |
| 03 1230 | 03 1230 | 16805.00 | 432.504 | 4306.00 | 233.074 |
| 03 1231 | 03 1231 | 25713.00 | 427.999 | 6029.00 | 331.352 |
| 04 0101 | 04 0101 | 30000.00 | 416.926 | 7220.00 | 390.042 |
| 04 0102 | 04 0102 | 45000.00 | 416.926 | 8248.00 | 385.705 |
| 04 0103 | 04 0103 | 75000.00 | 416.926 | 16805.00 | 370.322 |
| 04 0104 | 04 0104 | 117000.00 | 416.926 | 25713.00 | 366.465 |
| 04 0105 | 04 0105 | 150000.00 | 416.926 | 30000.00 | 356.983 |
| 04 0106 | 04 0106 | 'CURVE14' | 053 13 0 0 | 45000.00 | 356.983 |
| 04 1108 | 04 1108 | 03 1106 | 03 1106 | 75000.00 | 356.983 |
| 04 1114 | 04 1114 | 03 1112 | 03 1112 | 117000.00 | 356.983 |
| 04 1125 | 04 1125 | 04 0813 | 04 0813 | 150000.00 | 356.983 |
| 04 1128 | 04 1128 | 06 1123 | 06 1123 | 'CURVE15' | 009 13 0 0 |
| 04 1129 | 04 1129 | 06 1124 | 06 1124 | 06 1120 | 06 1120 |
| 05 0526 | 05 0526 | 06 1125 | 06 1125 | 06 1121 | 06 1121 |
| 06 0602 | 06 0602 | 06 1126 | 06 1126 | 06 1122 | 06 1122 |
| 06 0727 | 06 0727 | 06 1127 | 06 1127 | 06 1128 | 06 1128 |
| 06 0802 | 06 0802 | 06 1129 | 06 1129 | 06 1202 | 06 1202 |
| 06 0803 | 06 0803 | 06 1130 | 06 1130 | 06 1203 | 06 1203 |

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| 06 1204 | 06 1204 | 'CURVE19' | 003 13 0 0 |
| 06 1205 | 06 1205 | 04 0811 | 04 0811 |
| 06 1206 | 06 1206 | 08 0521 | 08 0521 |
| 0.00 0.000 | | 08 0915 | 08 0915 |
| 2000.00 | 89.936 | 0.00 0.000 | |
| 4306.00 | 207.187 | 2000.00 | 51.195 |
| 6029.00 | 294.550 | 4306.00 | 117.939 |
| 7220.00 | 346.721 | 6029.00 | 167.669 |
| 8248.00 | 342.866 | 7220.00 | 197.366 |
| 16805.00 | 329.191 | 8248.00 | 195.172 |
| 25713.00 | 325.763 | 16805.00 | 187.388 |
| 30000.00 | 317.335 | 25713.00 | 185.436 |
| 45000.00 | 317.335 | 30000.00 | 180.638 |
| 75000.00 | 317.335 | 45000.00 | 180.638 |
| 117000.00 | 317.335 | 75000.00 | 180.638 |
| 150000.00 | 317.335 | 117000.00 | 180.638 |
| 'CURVE16' | 000 13 0 0 | 150000.00 | 180.638 |
| 0.00 0.000 | | 'CURVE20' | 003 13 0 0 |
| 2000.00 | 78.281 | 06 1013 | 06 1013 |
| 4306.00 | 180.338 | 06 1119 | 06 1119 |
| 6029.00 | 256.380 | 08 0406 | 08 0406 |
| 7220.00 | 301.790 | 0.00 0.000 | |
| 8248.00 | 298.435 | 2000.00 | 38.147 |
| 16805.00 | 286.532 | 4306.00 | 87.881 |
| 25713.00 | 283.548 | 6029.00 | 124.936 |
| 30000.00 | 276.212 | 7220.00 | 147.065 |
| 45000.00 | 276.212 | 8248.00 | 145.430 |
| 75000.00 | 276.212 | 16805.00 | 139.630 |
| 117000.00 | 276.212 | 25713.00 | 138.176 |
| 150000.00 | 276.212 | 30000.00 | 134.601 |
| 'CURVE17' | 004 13 0 0 | 45000.00 | 134.601 |
| 03 0430 | 03 0430 | 75000.00 | 134.601 |
| 03 0508 | 03 0508 | 117000.00 | 134.601 |
| 07 0103 | 07 0103 | 150000.00 | 134.601 |
| 07 0919 | 07 0919 | | |
| 0.00 0.000 | | | |
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| 4306.00 | 157.215 | | |
| 6029.00 | 223.506 | | |
| 7220.00 | 263.094 | | |
| 8248.00 | 260.169 | | |
| 16805.00 | 249.792 | | |
| 25713.00 | 247.191 | | |
| 30000.00 | 240.795 | | |
| 45000.00 | 240.795 | | |
| 75000.00 | 240.795 | | |
| 117000.00 | 240.795 | | |
| 150000.00 | 240.795 | | |
| 'CURVE18' | 001 13 0 0 | | |
| 03 1203 | 03 1203 | | |
| 0.00 0.000 | | | |
| 2000.00 | 58.249 | | |
| 4306.00 | 134.190 | | |
| 6029.00 | 190.773 | | |
| 7220.00 | 224.562 | | |
| 8248.00 | 222.065 | | |
| 16805.00 | 213.209 | | |
| 25713.00 | 210.988 | | |
| 30000.00 | 205.529 | | |
| 45000.00 | 205.529 | | |
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| 150000.00 | 205.529 | | |

HWBEG Input File for Feeder Dam

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 1
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
08
'FEEDER' 'GENERAL' 20
'CURVE01' 087 13 0 0
03 0124 03 0124      04 0302 04 0302      05 0226 05 0226
03 0126 03 0126      04 0303 04 0303      05 0227 05 0227
03 0127 03 0127      04 0304 04 0304      05 0228 05 0228
03 0129 03 0129      04 0305 04 0305      05 0326 05 0326
03 0202 03 0202      04 0306 04 0306      05 0406 05 0406
03 0308 03 0308      04 0307 04 0307      05 0427 05 0427
04 0214 04 0214      04 0308 04 0308      05 0428 05 0428
04 0215 04 0215      04 0315 04 0315      05 0810 05 0810
04 0216 04 0216      04 0316 04 0316      05 0912 05 0912
04 0217 04 0217      04 0319 04 0319      05 0913 05 0913
04 0218 04 0218      04 0320 04 0320      05 0914 05 0914
04 0219 04 0219      04 0321 04 0321      05 0918 05 0918
04 0220 04 0220      04 0322 04 0322      05 0924 05 0924
04 0221 04 0221      04 0323 04 0323      05 0925 05 0925
04 0222 04 0222      04 0328 04 0328      05 0926 05 0926
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04 0225 04 0225      04 0702 04 0702      05 0928 05 0928
04 0226 04 0226      04 1004 04 1004      06 0418 06 0418
04 0227 04 0227      04 1005 04 1005      06 0419 06 0419
04 0228 04 0228      04 1012 04 1012      06 0825 06 0825
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04 0229 04 0229      05 0225 05 0225      06 0831 06 0831

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| 06 0901 | 06 0901 | 04 0131 | 04 0131 | 05 0911 | 05 0911 |
| 06 0905 | 06 0905 | 04 0201 | 04 0201 | 05 0915 | 05 0915 |
| 06 0906 | 06 0906 | 04 0202 | 04 0202 | 05 0916 | 05 0916 |
| 07 0410 | 07 0410 | 04 0203 | 04 0203 | 05 0922 | 05 0922 |
| 07 0601 | 07 0601 | 04 0204 | 04 0204 | 05 0923 | 05 0923 |
| 07 0606 | 07 0606 | 04 0205 | 04 0205 | 05 0929 | 05 0929 |
| 07 0610 | 07 0610 | 04 0206 | 04 0206 | 05 1001 | 05 1001 |
| 07 0612 | 07 0612 | 04 0207 | 04 0207 | 05 1011 | 05 1011 |
| 07 0613 | 07 0613 | 04 0208 | 04 0208 | 05 1018 | 05 1018 |
| 07 0614 | 07 0614 | 04 0209 | 04 0209 | 06 0126 | 06 0126 |
| 07 0617 | 07 0617 | 04 0212 | 04 0212 | 06 0218 | 06 0218 |
| 07 0918 | 07 0918 | 04 0213 | 04 0213 | 06 0226 | 06 0226 |
| 07 0920 | 07 0920 | 04 0224 | 04 0224 | 06 0227 | 06 0227 |
| 07 1011 | 07 1011 | 04 0301 | 04 0301 | 06 0228 | 06 0228 |
| 07 1015 | 07 1015 | 04 0310 | 04 0310 | 06 0302 | 06 0302 |
| 07 1016 | 07 1016 | 04 0311 | 04 0311 | 06 0303 | 06 0303 |
| 08 0108 | 08 0108 | 04 0312 | 04 0312 | 06 0304 | 06 0304 |
| 08 0621 | 08 0621 | 04 0313 | 04 0313 | 06 0305 | 06 0305 |
| 08 0919 | 08 0919 | 04 0314 | 04 0314 | 06 0306 | 06 0306 |
| 08 0920 | 08 0920 | 04 0318 | 04 0318 | 06 0414 | 06 0414 |
| 08 0921 | 08 0921 | 04 0325 | 04 0325 | 06 0415 | 06 0415 |
| 08 0923 | 08 0923 | 04 0327 | 04 0327 | 06 0416 | 06 0416 |
| 0.00 | 0.000 | 04 0402 | 04 0402 | 06 0828 | 06 0828 |
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| 4300.00 | 93.663 | 04 0422 | 04 0422 | 07 0529 | 07 0529 |
| 5370.00 | 114.015 | 04 0423 | 04 0423 | 07 0605 | 07 0605 |
| 6180.00 | 122.271 | 04 0424 | 04 0424 | 07 0608 | 07 0608 |
| 6800.00 | 124.714 | 04 0525 | 04 0525 | 07 0615 | 07 0615 |
| 13500.00 | 117.722 | 04 0605 | 04 0605 | 07 0626 | 07 0626 |
| 20000.00 | 103.609 | 04 0606 | 04 0606 | 07 0831 | 07 0831 |
| 45000.00 | 96.173 | 04 0607 | 04 0607 | 07 0913 | 07 0913 |
| 75000.00 | 95.847 | 04 0608 | 04 0608 | 07 0914 | 07 0914 |
| 117000.00 | 94.746 | 04 0609 | 04 0609 | 07 0917 | 07 0917 |
| 150000.00 | 92.542 | 04 0610 | 04 0610 | 07 0930 | 07 0930 |
| 'CURVE02' | 148 13 0 0 | 04 0611 | 04 0611 | 07 1014 | 07 1014 |
| 03 0131 | 03 0131 | 04 0612 | 04 0612 | 07 1018 | 07 1018 |
| 03 0211 | 03 0211 | 04 0613 | 04 0613 | 07 1223 | 07 1223 |
| 03 0310 | 03 0310 | 04 0614 | 04 0614 | 08 0105 | 08 0105 |
| 03 0316 | 03 0316 | 04 0815 | 04 0815 | 08 0106 | 08 0106 |
| 03 0317 | 03 0317 | 04 0831 | 04 0831 | 08 0528 | 08 0528 |
| 03 1211 | 03 1211 | 04 0901 | 04 0901 | 08 0530 | 08 0530 |
| 03 1220 | 03 1220 | 04 0903 | 04 0903 | 08 0604 | 08 0604 |
| 03 1221 | 03 1221 | 04 0904 | 04 0904 | 08 0611 | 08 0611 |
| 03 1222 | 03 1222 | 04 0915 | 04 0915 | 08 0612 | 08 0612 |
| 03 1223 | 03 1223 | 05 0224 | 05 0224 | 08 0613 | 08 0613 |
| 03 1224 | 03 1224 | 05 0301 | 05 0301 | 08 0618 | 08 0618 |
| 04 0110 | 04 0110 | 05 0302 | 05 0302 | 08 0622 | 08 0622 |
| 04 0111 | 04 0111 | 05 0303 | 05 0303 | 08 0718 | 08 0718 |
| 04 0112 | 04 0112 | 05 0304 | 05 0304 | 08 0720 | 08 0720 |
| 04 0113 | 04 0113 | 05 0305 | 05 0305 | 08 0721 | 08 0721 |
| 04 0117 | 04 0117 | 05 0306 | 05 0306 | 08 0901 | 08 0901 |
| 04 0118 | 04 0118 | 05 0324 | 05 0324 | 08 0910 | 08 0910 |
| 04 0119 | 04 0119 | 05 0325 | 05 0325 | 08 0914 | 08 0914 |
| 04 0121 | 04 0121 | 05 0327 | 05 0327 | 08 0918 | 08 0918 |
| 04 0122 | 04 0122 | 05 0429 | 05 0429 | 08 0924 | 08 0924 |
| 04 0124 | 04 0124 | 05 0510 | 05 0510 | 08 0930 | 08 0930 |
| 04 0125 | 04 0125 | 05 0511 | 05 0511 | 08 1003 | 08 1003 |
| 04 0126 | 04 0126 | 05 0512 | 05 0512 | 0.00 | 0.000 |
| 04 0127 | 04 0127 | 05 0513 | 05 0513 | 2000.00 | 34.780 |
| 04 0128 | 04 0128 | 05 0811 | 05 0811 | 3090.00 | 58.605 |
| 04 0129 | 04 0129 | 05 0812 | 05 0812 | 4300.00 | 91.154 |
| 04 0130 | 04 0130 | 05 0910 | 05 0910 | 5370.00 | 110.961 |

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| 6180.00 | 118.996 | 04 0425 | 04 0425 | 05 1115 | 05 1115 |
| 6800.00 | 121.373 | 04 0426 | 04 0426 | 06 0113 | 06 0113 |
| 13500.00 | 114.569 | 04 0428 | 04 0428 | 06 0114 | 06 0114 |
| 20000.00 | 100.833 | 04 0508 | 04 0508 | 06 0118 | 06 0118 |
| 45000.00 | 93.597 | 04 0514 | 04 0514 | 06 0209 | 06 0209 |
| 75000.00 | 93.280 | 04 0521 | 04 0521 | 06 0220 | 06 0220 |
| 117000.00 | 92.208 | 04 0522 | 04 0522 | 06 0221 | 06 0221 |
| 150000.00 | 90.064 | 04 0524 | 04 0524 | 06 0222 | 06 0222 |
| 'CURVE03' | 215 13 0 0 | 04 0531 | 04 0531 | 06 0314 | 06 0314 |
| 03 0108 | 03 0108 | 04 0601 | 04 0601 | 06 0421 | 06 0421 |
| 03 0130 | 03 0130 | 04 0602 | 04 0602 | 06 0502 | 06 0502 |
| 03 0204 | 03 0204 | 04 0604 | 04 0604 | 06 0503 | 06 0503 |
| 03 0209 | 03 0209 | 04 0619 | 04 0619 | 06 0504 | 06 0504 |
| 03 0216 | 03 0216 | 04 0627 | 04 0627 | 06 0513 | 06 0513 |
| 03 0219 | 03 0219 | 04 0704 | 04 0704 | 06 0514 | 06 0514 |
| 03 0220 | 03 0220 | 04 0708 | 04 0708 | 06 0527 | 06 0527 |
| 03 0224 | 03 0224 | 04 0716 | 04 0716 | 06 0531 | 06 0531 |
| 03 0225 | 03 0225 | 04 0719 | 04 0719 | 06 0601 | 06 0601 |
| 03 0228 | 03 0228 | 04 0724 | 04 0724 | 06 0602 | 06 0602 |
| 03 0315 | 03 0315 | 04 0805 | 04 0805 | 06 0614 | 06 0614 |
| 03 0319 | 03 0319 | 04 0817 | 04 0817 | 06 0615 | 06 0615 |
| 03 0322 | 03 0322 | 04 0823 | 04 0823 | 06 0625 | 06 0625 |
| 03 0324 | 03 0324 | 04 0824 | 04 0824 | 06 0816 | 06 0816 |
| 03 0328 | 03 0328 | 04 0825 | 04 0825 | 06 0817 | 06 0817 |
| 03 0417 | 03 0417 | 04 0830 | 04 0830 | 06 0903 | 06 0903 |
| 03 0420 | 03 0420 | 04 0906 | 04 0906 | 07 0329 | 07 0329 |
| 03 0421 | 03 0421 | 04 0909 | 04 0909 | 07 0330 | 07 0330 |
| 03 0422 | 03 0422 | 04 0917 | 04 0917 | 07 0331 | 07 0331 |
| 03 0503 | 03 0503 | 04 1016 | 04 1016 | 07 0401 | 07 0401 |
| 03 0504 | 03 0504 | 04 1017 | 04 1017 | 07 0402 | 07 0402 |
| 03 0514 | 03 0514 | 04 1021 | 04 1021 | 07 0412 | 07 0412 |
| 03 0515 | 03 0515 | 04 1102 | 04 1102 | 07 0415 | 07 0415 |
| 03 0601 | 03 0601 | 05 0310 | 05 0310 | 07 0416 | 07 0416 |
| 03 0604 | 03 0604 | 05 0313 | 05 0313 | 07 0516 | 07 0516 |
| 03 0605 | 03 0605 | 05 0314 | 05 0314 | 07 0517 | 07 0517 |
| 03 0816 | 03 0816 | 05 0315 | 05 0315 | 07 0518 | 07 0518 |
| 03 0817 | 03 0817 | 05 0328 | 05 0328 | 07 0519 | 07 0519 |
| 03 1127 | 03 1127 | 05 0408 | 05 0408 | 07 0523 | 07 0523 |
| 03 1201 | 03 1201 | 05 0414 | 05 0414 | 07 0524 | 07 0524 |
| 03 1203 | 03 1203 | 05 0415 | 05 0415 | 07 0616 | 07 0616 |
| 03 1205 | 03 1205 | 05 0416 | 05 0416 | 07 0620 | 07 0620 |
| 03 1210 | 03 1210 | 05 0425 | 05 0425 | 07 0630 | 07 0630 |
| 03 1213 | 03 1213 | 05 0426 | 05 0426 | 07 0709 | 07 0709 |
| 03 1214 | 03 1214 | 05 0502 | 05 0502 | 07 0827 | 07 0827 |
| 03 1218 | 03 1218 | 05 0505 | 05 0505 | 07 0830 | 07 0830 |
| 03 1228 | 03 1228 | 05 0506 | 05 0506 | 07 1001 | 07 1001 |
| 03 1230 | 03 1230 | 05 0509 | 05 0509 | 07 1004 | 07 1004 |
| 03 1231 | 03 1231 | 05 0514 | 05 0514 | 07 1009 | 07 1009 |
| 04 0101 | 04 0101 | 05 0515 | 05 0515 | 07 1010 | 07 1010 |
| 04 0104 | 04 0104 | 05 0516 | 05 0516 | 07 1117 | 07 1117 |
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| 04 0109 | 04 0109 | 05 0603 | 05 0603 | 07 1126 | 07 1126 |
| 04 0123 | 04 0123 | 05 0618 | 05 0618 | 07 1130 | 07 1130 |
| 04 0210 | 04 0210 | 05 0619 | 05 0619 | 07 1222 | 07 1222 |
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| 08 0224 | 08 0224 | 03 1227 | 03 1227 | 05 0527 | 05 0527 |
| 08 0225 | 08 0225 | 04 0107 | 04 0107 | 05 0813 | 05 0813 |
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| 08 0306 | 08 0306 | 04 0116 | 04 0116 | 05 1012 | 05 1012 |
| 08 0307 | 08 0307 | 04 0120 | 04 0120 | 05 1028 | 05 1028 |
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| 08 0707 | 08 0707 | 04 0401 | 04 0401 | 06 0131 | 06 0131 |
| 08 0711 | 08 0711 | 04 0406 | 04 0406 | 06 0201 | 06 0201 |
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| 08 1006 | 08 1006 | 04 0414 | 04 0414 | 06 0204 | 06 0204 |
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| 08 1103 | 08 1103 | 04 0416 | 04 0416 | 06 0212 | 06 0212 |
| 08 1104 | 08 1104 | 04 0417 | 04 0417 | 06 0214 | 06 0214 |
| 08 1105 | 08 1105 | 04 0427 | 04 0427 | 06 0216 | 06 0216 |
| 08 1117 | 08 1117 | 04 0510 | 04 0510 | 06 0217 | 06 0217 |
| 08 1122 | 08 1122 | 04 0523 | 04 0523 | 06 0219 | 06 0219 |
| 08 1126 | 08 1126 | 04 0526 | 04 0526 | 06 0223 | 06 0223 |
| 08 1127 | 08 1127 | 04 0527 | 04 0527 | 06 0224 | 06 0224 |
| 08 1211 | 08 1211 | 04 0528 | 04 0528 | 06 0225 | 06 0225 |
| 08 1212 | 08 1212 | 04 0529 | 04 0529 | 06 0301 | 06 0301 |
| 08 1216 | 08 1216 | 04 0530 | 04 0530 | 06 0307 | 06 0307 |
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| 08 1218 | 08 1218 | 04 0703 | 04 0703 | 06 0312 | 06 0312 |
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| 6180.00 | 112.102 | 04 0828 | 04 0828 | 06 0529 | 06 0529 |
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| 13500.00 | 107.931 | 04 0905 | 04 0905 | 06 0621 | 06 0621 |
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| 75000.00 | 87.876 | 04 0911 | 04 0911 | 06 0624 | 06 0624 |
| 117000.00 | 86.866 | 04 0912 | 04 0912 | 06 0826 | 06 0826 |
| 150000.00 | 84.846 | 04 0913 | 04 0913 | 06 0902 | 06 0902 |
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| 03 0107 | 03 0107 | 04 0919 | 04 0919 | 07 0325 | 07 0325 |
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| 03 0222 | 03 0222 | 04 1006 | 04 1006 | 07 0411 | 07 0411 |
| 03 0223 | 03 0223 | 04 1018 | 04 1018 | 07 0414 | 07 0414 |
| 03 0302 | 03 0302 | 04 1105 | 04 1105 | 07 0515 | 07 0515 |
| 03 0311 | 03 0311 | 05 0323 | 05 0323 | 07 0522 | 07 0522 |
| 03 0318 | 03 0318 | 05 0407 | 05 0407 | 07 0526 | 07 0526 |
| 03 0323 | 03 0323 | 05 0411 | 05 0411 | 07 0527 | 07 0527 |
| 03 1128 | 03 1128 | 05 0412 | 05 0412 | 07 0530 | 07 0530 |

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| 07 0701 | 07 0701 | 'CURVE05' | 195 13 0 0 | 04 0918 | 04 0918 |
| 07 0702 | 07 0702 | 03 0106 | 03 0106 | 04 0926 | 04 0926 |
| 07 0705 | 07 0705 | 03 0110 | 03 0110 | 04 1002 | 04 1002 |
| 07 0801 | 07 0801 | 03 0115 | 03 0115 | 04 1019 | 04 1019 |
| 07 0901 | 07 0901 | 03 0121 | 03 0121 | 04 1020 | 04 1020 |
| 07 0902 | 07 0902 | 03 0125 | 03 0125 | 04 1108 | 04 1108 |
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| 07 0904 | 07 0904 | 03 0301 | 03 0301 | 05 0321 | 05 0321 |
| 07 0912 | 07 0912 | 03 0303 | 03 0303 | 05 0322 | 05 0322 |
| 07 0916 | 07 0916 | 03 0325 | 03 0325 | 05 0329 | 05 0329 |
| 07 0919 | 07 0919 | 03 0326 | 03 0326 | 05 0402 | 05 0402 |
| 07 0921 | 07 0921 | 03 0327 | 03 0327 | 05 0405 | 05 0405 |
| 07 0928 | 07 0928 | 03 0330 | 03 0330 | 05 0507 | 05 0507 |
| 07 0929 | 07 0929 | 03 0416 | 03 0416 | 05 0518 | 05 0518 |
| 07 1002 | 07 1002 | 03 0418 | 03 0418 | 05 0519 | 05 0519 |
| 07 1003 | 07 1003 | 03 0425 | 03 0425 | 05 0525 | 05 0525 |
| 07 1008 | 07 1008 | 03 0426 | 03 0426 | 05 0529 | 05 0529 |
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| 07 1202 | 07 1202 | 03 0429 | 03 0429 | 05 0610 | 05 0610 |
| 07 1225 | 07 1225 | 03 0430 | 03 0430 | 05 0620 | 05 0620 |
| 07 1226 | 07 1226 | 03 0505 | 03 0505 | 05 0621 | 05 0621 |
| 08 0109 | 08 0109 | 03 0506 | 03 0506 | 05 0622 | 05 0622 |
| 08 0129 | 08 0129 | 03 0510 | 03 0510 | 05 0816 | 05 0816 |
| 08 0130 | 08 0130 | 03 0511 | 03 0511 | 05 0818 | 05 0818 |
| 08 0131 | 08 0131 | 03 0513 | 03 0513 | 05 0826 | 05 0826 |
| 08 0205 | 08 0205 | 03 0516 | 03 0516 | 05 0827 | 05 0827 |
| 08 0206 | 08 0206 | 03 0520 | 03 0520 | 05 0828 | 05 0828 |
| 08 0210 | 08 0210 | 03 0529 | 03 0529 | 05 0902 | 05 0902 |
| 08 0213 | 08 0213 | 03 0531 | 03 0531 | 05 1003 | 05 1003 |
| 08 0214 | 08 0214 | 03 0602 | 03 0602 | 05 1005 | 05 1005 |
| 08 0215 | 08 0215 | 03 0603 | 03 0603 | 05 1013 | 05 1013 |
| 08 0216 | 08 0216 | 03 0606 | 03 0606 | 05 1014 | 05 1014 |
| 08 0217 | 08 0217 | 03 0607 | 03 0607 | 05 1023 | 05 1023 |
| 08 0218 | 08 0218 | 03 0608 | 03 0608 | 05 1030 | 05 1030 |
| 08 0227 | 08 0227 | 03 0719 | 03 0719 | 06 0116 | 06 0116 |
| 08 0513 | 08 0513 | 03 0720 | 03 0720 | 06 0124 | 06 0124 |
| 08 0522 | 08 0522 | 03 1126 | 03 1126 | 06 0125 | 06 0125 |
| 08 0523 | 08 0523 | 03 1202 | 03 1202 | 06 0206 | 06 0206 |
| 08 0529 | 08 0529 | 03 1206 | 03 1206 | 06 0208 | 06 0208 |
| 08 0531 | 08 0531 | 03 1209 | 03 1209 | 06 0213 | 06 0213 |
| 08 0603 | 08 0603 | 03 1229 | 03 1229 | 06 0311 | 06 0311 |
| 08 0606 | 08 0606 | 04 0102 | 04 0102 | 06 0315 | 06 0315 |
| 08 0614 | 08 0614 | 04 0103 | 04 0103 | 06 0330 | 06 0330 |
| 08 0912 | 08 0912 | 04 0326 | 04 0326 | 06 0417 | 06 0417 |
| 08 0929 | 08 0929 | 04 0404 | 04 0404 | 06 0420 | 06 0420 |
| 08 1004 | 08 1004 | 04 0509 | 04 0509 | 06 0422 | 06 0422 |
| 08 1128 | 08 1128 | 04 0515 | 04 0515 | 06 0430 | 06 0430 |
| 08 1129 | 08 1129 | 04 0618 | 04 0618 | 06 0501 | 06 0501 |
| 08 1130 | 08 1130 | 04 0621 | 04 0621 | 06 0511 | 06 0511 |
| 08 1215 | 08 1215 | 04 0626 | 04 0626 | 06 0523 | 06 0523 |
| 0.00 | 0.000 | 04 0628 | 04 0628 | 06 0524 | 06 0524 |
| 2000.00 | 33.634 | 04 0701 | 04 0701 | 06 0526 | 06 0526 |
| 3090.00 | 56.675 | 04 0706 | 04 0706 | 06 0606 | 06 0606 |
| 4300.00 | 88.152 | 04 0709 | 04 0709 | 06 0609 | 06 0609 |
| 5370.00 | 107.307 | 04 0721 | 04 0721 | 06 0610 | 06 0610 |
| 6180.00 | 115.077 | 04 0728 | 04 0728 | 06 0611 | 06 0611 |
| 6800.00 | 117.376 | 04 0804 | 04 0804 | 06 0612 | 06 0612 |
| 13500.00 | 110.796 | 04 0806 | 04 0806 | 06 0613 | 06 0613 |
| 20000.00 | 97.513 | 04 0816 | 04 0816 | 06 0616 | 06 0616 |
| 45000.00 | 90.514 | 04 0819 | 04 0819 | 06 0626 | 06 0626 |
| 75000.00 | 90.208 | 04 0820 | 04 0820 | 06 0723 | 06 0723 |

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| 06 0830 | 06 0830 | 08 1120 | 08 1120 | 05 0419 | 05 0419 |
| 06 0912 | 06 0912 | 08 1121 | 08 1121 | 05 0604 | 05 0604 |
| 06 1004 | 06 1004 | 08 1123 | 08 1123 | 05 0609 | 05 0609 |
| 07 0405 | 07 0405 | 08 1213 | 08 1213 | 05 0613 | 05 0613 |
| 07 0406 | 07 0406 | 08 1225 | 08 1225 | 05 0708 | 05 0708 |
| 07 0407 | 07 0407 | 08 1226 | 08 1226 | 05 0714 | 05 0714 |
| 07 0408 | 07 0408 | 08 1227 | 08 1227 | 05 0717 | 05 0717 |
| 07 0520 | 07 0520 | 08 1229 | 08 1229 | 05 0719 | 05 0719 |
| 07 0521 | 07 0521 | 0.00 | 0.000 | 05 0815 | 05 0815 |
| 07 0607 | 07 0607 | 2000.00 | 31.936 | 05 0824 | 05 0824 |
| 07 0622 | 07 0622 | 3090.00 | 53.814 | 05 0825 | 05 0825 |
| 07 0623 | 07 0623 | 4300.00 | 83.701 | 05 1022 | 05 1022 |
| 07 0706 | 07 0706 | 5370.00 | 101.889 | 05 1025 | 05 1025 |
| 07 0805 | 07 0805 | 6180.00 | 109.267 | 05 1105 | 05 1105 |
| 07 0905 | 07 0905 | 6800.00 | 111.450 | 05 1109 | 05 1109 |
| 07 0906 | 07 0906 | 13500.00 | 105.202 | 05 1114 | 05 1114 |
| 07 0909 | 07 0909 | 20000.00 | 92.590 | 05 1116 | 05 1116 |
| 07 0910 | 07 0910 | 45000.00 | 85.945 | 06 0316 | 06 0316 |
| 07 0911 | 07 0911 | 75000.00 | 85.654 | 06 0701 | 06 0701 |
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| 07 0922 | 07 0922 | 150000.00 | 82.700 | 06 0703 | 06 0703 |
| 07 0925 | 07 0925 | 'CURVE06' | 166 13 0 0 | 06 0710 | 06 0710 |
| 07 1019 | 07 1019 | 03 0101 | 03 0101 | 06 0715 | 06 0715 |
| 07 1102 | 07 1102 | 03 0104 | 03 0104 | 06 0716 | 06 0716 |
| 07 1115 | 07 1115 | 03 0116 | 03 0116 | 06 0717 | 06 0717 |
| 07 1123 | 07 1123 | 03 0122 | 03 0122 | 06 0722 | 06 0722 |
| 07 1129 | 07 1129 | 03 0206 | 03 0206 | 06 0805 | 06 0805 |
| 07 1201 | 07 1201 | 03 0213 | 03 0213 | 06 0806 | 06 0806 |
| 07 1208 | 07 1208 | 03 0305 | 03 0305 | 06 0808 | 06 0808 |
| 07 1209 | 07 1209 | 03 0320 | 03 0320 | 06 0827 | 06 0827 |
| 07 1220 | 07 1220 | 03 0406 | 03 0406 | 06 1005 | 06 1005 |
| 07 1221 | 07 1221 | 03 0409 | 03 0409 | 06 1007 | 06 1007 |
| 08 0104 | 08 0104 | 03 0410 | 03 0410 | 06 1103 | 06 1103 |
| 08 0115 | 08 0115 | 03 0411 | 03 0411 | 06 1113 | 06 1113 |
| 08 0126 | 08 0126 | 03 0627 | 03 0627 | 06 1114 | 06 1114 |
| 08 0201 | 08 0201 | 03 0630 | 03 0630 | 06 1115 | 06 1115 |
| 08 0204 | 08 0204 | 03 0704 | 03 0704 | 06 1124 | 06 1124 |
| 08 0208 | 08 0208 | 03 0705 | 03 0705 | 06 1125 | 06 1125 |
| 08 0212 | 08 0212 | 03 0706 | 03 0706 | 06 1205 | 06 1205 |
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| 08 0301 | 08 0301 | 03 0711 | 03 0711 | 06 1211 | 06 1211 |
| 08 0302 | 08 0302 | 03 0722 | 03 0722 | 06 1217 | 06 1217 |
| 08 0303 | 08 0303 | 03 0809 | 03 0809 | 06 1218 | 06 1218 |
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| 08 1031 | 08 1031 | 05 0318 | 05 0318 | 07 0111 | 07 0111 |
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| 07 0123 | 07 0123 | 2000.00 28.953 | 04 0429 | 04 0429 |
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| 07 0908 | 07 0908 | 03 0218 03 0218 | 04 1008 | 04 1008 |
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| 07 1101 | 07 1101 | 03 0403 03 0403 | 05 0307 | 05 0307 |
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| 08 0625 | 08 0625 | 03 0617 03 0617 | 05 0903 | 05 0903 |
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| 06 0123 | 06 0123 | 08 0114 | 08 0114 | 03 0526 | 03 0526 |
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| 06 0519 | 06 0519 | 08 0617 | 08 0617 | 03 0702 | 03 0702 |
| 06 0520 | 06 0520 | 08 0619 | 08 0619 | 03 0703 | 03 0703 |
| 06 0521 | 06 0521 | 08 0709 | 08 0709 | 03 0708 | 03 0708 |
| 06 0522 | 06 0522 | 08 0713 | 08 0713 | 03 0709 | 03 0709 |
| 06 0525 | 06 0525 | 08 0715 | 08 0715 | 03 0710 | 03 0710 |
| 06 0603 | 06 0603 | 08 0719 | 08 0719 | 03 0712 | 03 0712 |
| 06 0604 | 06 0604 | 08 0828 | 08 0828 | 03 0713 | 03 0713 |
| 06 0617 | 06 0617 | 08 0830 | 08 0830 | 03 0717 | 03 0717 |
| 06 0618 | 06 0618 | 08 0905 | 08 0905 | 03 0721 | 03 0721 |
| 06 0619 | 06 0619 | 08 0913 | 08 0913 | 03 0723 | 03 0723 |
| 06 0706 | 06 0706 | 08 0917 | 08 0917 | 03 0818 | 03 0818 |
| 06 0708 | 06 0708 | 08 0925 | 08 0925 | 03 0820 | 03 0820 |
| 06 0718 | 06 0718 | 08 1001 | 08 1001 | 03 0821 | 03 0821 |
| 06 0719 | 06 0719 | 08 1005 | 08 1005 | 03 0822 | 03 0822 |
| 06 0724 | 06 0724 | 08 1007 | 08 1007 | 03 0824 | 03 0824 |
| 06 0809 | 06 0809 | 08 1029 | 08 1029 | 03 0828 | 03 0828 |
| 06 0810 | 06 0810 | 08 1106 | 08 1106 | 03 0830 | 03 0830 |
| 06 0811 | 06 0811 | 08 1109 | 08 1109 | 03 0901 | 03 0901 |
| 06 0818 | 06 0818 | 08 1115 | 08 1115 | 03 0902 | 03 0902 |
| 06 0821 | 06 0821 | 08 1204 | 08 1204 | 03 1207 | 03 1207 |
| 06 1013 | 06 1013 | 08 1205 | 08 1205 | 04 0324 | 04 0324 |
| 07 0417 | 07 0417 | 08 1210 | 08 1210 | 04 0412 | 04 0412 |
| 07 0418 | 07 0418 | 0.00 0.000 | | 04 0430 | 04 0430 |
| 07 0419 | 07 0419 | 2000.00 31.179 | | 04 0505 | 04 0505 |
| 07 0510 | 07 0510 | 3090.00 52.537 | | 04 0516 | 04 0516 |
| 07 0511 | 07 0511 | 4300.00 81.716 | | 04 0616 | 04 0616 |
| 07 0514 | 07 0514 | 5370.00 99.472 | | 04 0625 | 04 0625 |
| 07 0609 | 07 0609 | 6180.00 106.675 | | 04 0710 | 04 0710 |
| 07 0624 | 07 0624 | 6800.00 108.806 | | 04 0712 | 04 0712 |
| 07 0625 | 07 0625 | 13500.00 102.706 | | 04 0715 | 04 0715 |
| 07 0629 | 07 0629 | 20000.00 90.393 | | 04 0722 | 04 0722 |
| 07 0703 | 07 0703 | 45000.00 83.906 | | 04 0725 | 04 0725 |
| 07 0704 | 07 0704 | 75000.00 83.622 | | 04 0729 | 04 0729 |
| 07 0803 | 07 0803 | 117000.00 82.660 | | 04 0731 | 04 0731 |
| 07 0823 | 07 0823 | 150000.00 80.738 | | 04 0801 | 04 0801 |
| 07 0824 | 07 0824 | 'CURVE08' 206 13 0 0 | | 04 0807 | 04 0807 |
| 07 0826 | 07 0826 | 03 0102 | 03 0102 | 04 0821 | 04 0821 |
| 07 0828 | 07 0828 | 03 0128 | 03 0128 | 04 0914 | 04 0914 |
| 07 0829 | 07 0829 | 03 0208 | 03 0208 | 04 0927 | 04 0927 |
| 07 0926 | 07 0926 | 03 0210 | 03 0210 | 04 0930 | 04 0930 |
| 07 1005 | 07 1005 | 03 0215 | 03 0215 | 04 1011 | 04 1011 |
| 07 1013 | 07 1013 | 03 0226 | 03 0226 | 04 1023 | 04 1023 |
| 07 1020 | 07 1020 | 03 0309 | 03 0309 | 04 1024 | 04 1024 |
| 07 1114 | 07 1114 | 03 0312 | 03 0312 | 04 1025 | 04 1025 |
| 07 1120 | 07 1120 | 03 0401 | 03 0401 | 04 1026 | 04 1026 |
| 07 1127 | 07 1127 | 03 0402 | 03 0402 | 04 1030 | 04 1030 |
| 07 1128 | 07 1128 | 03 0404 | 03 0404 | 04 1103 | 04 1103 |
| 07 1207 | 07 1207 | 03 0405 | 03 0405 | 04 1106 | 04 1106 |
| 07 1214 | 07 1214 | 03 0407 | 03 0407 | 04 1107 | 04 1107 |
| 07 1215 | 07 1215 | 03 0408 | 03 0408 | 05 0309 | 05 0309 |
| 07 1219 | 07 1219 | 03 0412 | 03 0412 | 05 0330 | 05 0330 |
| 07 1231 | 07 1231 | 03 0507 | 03 0507 | 05 0418 | 05 0418 |

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| 05 0420 | 05 0420 | 07 0114 | 07 0114 | 08 1228 | 08 1228 |
| 05 0422 | 05 0422 | 07 0124 | 07 0124 | 0.00 | 0.000 |
| 05 0617 | 05 0617 | 07 0125 | 07 0125 | 2000.00 | 30.097 |
| 05 0703 | 05 0703 | 07 0323 | 07 0323 | 3090.00 | 50.715 |
| 05 0707 | 05 0707 | 07 0423 | 07 0423 | 4300.00 | 78.881 |
| 05 0710 | 05 0710 | 07 0426 | 07 0426 | 5370.00 | 96.022 |
| 05 0814 | 05 0814 | 07 0507 | 07 0507 | 6180.00 | 102.975 |
| 05 0821 | 05 0821 | 07 0508 | 07 0508 | 6800.00 | 105.032 |
| 05 0829 | 05 0829 | 07 0509 | 07 0509 | 13500.00 | 99.144 |
| 05 1004 | 05 1004 | 07 0512 | 07 0512 | 20000.00 | 87.258 |
| 05 1006 | 05 1006 | 07 0513 | 07 0513 | 45000.00 | 80.996 |
| 05 1007 | 05 1007 | 07 0528 | 07 0528 | 75000.00 | 80.721 |
| 05 1009 | 05 1009 | 07 0604 | 07 0604 | 117000.00 | 79.793 |
| 05 1015 | 05 1015 | 07 0707 | 07 0707 | 150000.00 | 77.938 |
| 05 1017 | 05 1017 | 07 0812 | 07 0812 | 'CURVE09' | 137 13 0 0 |
| 05 1021 | 05 1021 | 07 0927 | 07 0927 | 03 0117 | 03 0117 |
| 06 0119 | 06 0119 | 07 1006 | 07 1006 | 03 0118 | 03 0118 |
| 06 0120 | 06 0120 | 07 1021 | 07 1021 | 03 0120 | 03 0120 |
| 06 0121 | 06 0121 | 07 1028 | 07 1028 | 03 0123 | 03 0123 |
| 06 0122 | 06 0122 | 07 1029 | 07 1029 | 03 0304 | 03 0304 |
| 06 0413 | 06 0413 | 07 1030 | 07 1030 | 03 0306 | 03 0306 |
| 06 0425 | 06 0425 | 07 1031 | 07 1031 | 03 0621 | 03 0621 |
| 06 0427 | 06 0427 | 07 1104 | 07 1104 | 03 0622 | 03 0622 |
| 06 0428 | 06 0428 | 07 1112 | 07 1112 | 03 0624 | 03 0624 |
| 06 0509 | 06 0509 | 07 1118 | 07 1118 | 03 0625 | 03 0625 |
| 06 0512 | 06 0512 | 07 1121 | 07 1121 | 03 0718 | 03 0718 |
| 06 0516 | 06 0516 | 07 1122 | 07 1122 | 03 0725 | 03 0725 |
| 06 0530 | 06 0530 | 07 1206 | 07 1206 | 03 0726 | 03 0726 |
| 06 0605 | 06 0605 | 07 1216 | 07 1216 | 03 0728 | 03 0728 |
| 06 0607 | 06 0607 | 07 1217 | 07 1217 | 03 0803 | 03 0803 |
| 06 0608 | 06 0608 | 07 1229 | 07 1229 | 03 0811 | 03 0811 |
| 06 0627 | 06 0627 | 08 0223 | 08 0223 | 03 0825 | 03 0825 |
| 06 0628 | 06 0628 | 08 0305 | 08 0305 | 03 0829 | 03 0829 |
| 06 0704 | 06 0704 | 08 0405 | 08 0405 | 04 0501 | 04 0501 |
| 06 0705 | 06 0705 | 08 0507 | 08 0507 | 04 0503 | 04 0503 |
| 06 0707 | 06 0707 | 08 0508 | 08 0508 | 04 0506 | 04 0506 |
| 06 0709 | 06 0709 | 08 0512 | 08 0512 | 04 0630 | 04 0630 |
| 06 0711 | 06 0711 | 08 0515 | 08 0515 | 04 0707 | 04 0707 |
| 06 0712 | 06 0712 | 08 0519 | 08 0519 | 04 0726 | 04 0726 |
| 06 0713 | 06 0713 | 08 0525 | 08 0525 | 04 0810 | 04 0810 |
| 06 0714 | 06 0714 | 08 0602 | 08 0602 | 04 1001 | 04 1001 |
| 06 0720 | 06 0720 | 08 0607 | 08 0607 | 04 1007 | 04 1007 |
| 06 0721 | 06 0721 | 08 0615 | 08 0615 | 04 1013 | 04 1013 |
| 06 0725 | 06 0725 | 08 0616 | 08 0616 | 05 0308 | 05 0308 |
| 06 0726 | 06 0726 | 08 0623 | 08 0623 | 05 0312 | 05 0312 |
| 06 0727 | 06 0727 | 08 0626 | 08 0626 | 05 0320 | 05 0320 |
| 06 0728 | 06 0728 | 08 0702 | 08 0702 | 05 0423 | 05 0423 |
| 06 0731 | 06 0731 | 08 0706 | 08 0706 | 05 0424 | 05 0424 |
| 06 0801 | 06 0801 | 08 0717 | 08 0717 | 05 0607 | 05 0607 |
| 06 0802 | 06 0802 | 08 0829 | 08 0829 | 05 0627 | 05 0627 |
| 06 0803 | 06 0803 | 08 0927 | 08 0927 | 05 0702 | 05 0702 |
| 06 0804 | 06 0804 | 08 1009 | 08 1009 | 05 0711 | 05 0711 |
| 06 0815 | 06 0815 | 08 1111 | 08 1111 | 05 0715 | 05 0715 |
| 06 0819 | 06 0819 | 08 1114 | 08 1114 | 05 0720 | 05 0720 |
| 06 0820 | 06 0820 | 08 1118 | 08 1118 | 05 0817 | 05 0817 |
| 06 0907 | 06 0907 | 08 1119 | 08 1119 | 05 0823 | 05 0823 |
| 06 0911 | 06 0911 | 08 1125 | 08 1125 | 05 0901 | 05 0901 |
| 06 1008 | 06 1008 | 08 1201 | 08 1201 | 05 0904 | 05 0904 |
| 06 1009 | 06 1009 | 08 1207 | 08 1207 | 05 0906 | 05 0906 |
| 06 1010 | 06 1010 | 08 1208 | 08 1208 | 05 0919 | 05 0919 |
| 06 1015 | 06 1015 | 08 1219 | 08 1219 | 05 1008 | 05 1008 |
| 06 1030 | 06 1030 | 08 1220 | 08 1220 | 05 1113 | 05 1113 |
| 07 0112 | 07 0112 | 08 1224 | 08 1224 | 05 1202 | 05 1202 |

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| 05 1214 | 05 1214 | 07 1212 | 07 1212 | 05 0216 | 05 0216 |
| 06 0207 | 06 0207 | 08 0112 | 08 0112 | 05 0221 | 05 0221 |
| 06 0426 | 06 0426 | 08 0416 | 08 0416 | 05 0404 | 05 0404 |
| 06 0517 | 06 0517 | 08 0419 | 08 0419 | 05 0524 | 05 0524 |
| 06 0729 | 06 0729 | 08 0424 | 08 0424 | 05 0606 | 05 0606 |
| 06 0730 | 06 0730 | 08 0502 | 08 0502 | 05 0608 | 05 0608 |
| 06 0807 | 06 0807 | 08 0624 | 08 0624 | 05 0612 | 05 0612 |
| 06 1006 | 06 1006 | 08 0703 | 08 0703 | 05 0614 | 05 0614 |
| 06 1012 | 06 1012 | 08 0714 | 08 0714 | 05 0615 | 05 0615 |
| 06 1014 | 06 1014 | 08 0802 | 08 0802 | 05 0616 | 05 0616 |
| 06 1022 | 06 1022 | 08 0805 | 08 0805 | 05 0716 | 05 0716 |
| 06 1023 | 06 1023 | 08 0806 | 08 0806 | 05 1016 | 05 1016 |
| 06 1026 | 06 1026 | 08 0816 | 08 0816 | 05 1119 | 05 1119 |
| 06 1031 | 06 1031 | 08 0817 | 08 0817 | 05 1122 | 05 1122 |
| 06 1101 | 06 1101 | 08 0818 | 08 0818 | 05 1123 | 05 1123 |
| 06 1104 | 06 1104 | 08 0826 | 08 0826 | 05 1124 | 05 1124 |
| 06 1108 | 06 1108 | 08 1011 | 08 1011 | 05 1125 | 05 1125 |
| 06 1109 | 06 1109 | 08 1013 | 08 1013 | 05 1126 | 05 1126 |
| 06 1110 | 06 1110 | 08 1018 | 08 1018 | 05 1127 | 05 1127 |
| 06 1116 | 06 1116 | 08 1019 | 08 1019 | 05 1128 | 05 1128 |
| 06 1121 | 06 1121 | 08 1021 | 08 1021 | 05 1129 | 05 1129 |
| 06 1122 | 06 1122 | 08 1023 | 08 1023 | 05 1130 | 05 1130 |
| 06 1126 | 06 1126 | 08 1108 | 08 1108 | 05 1217 | 05 1217 |
| 06 1127 | 06 1127 | 08 1112 | 08 1112 | 05 1218 | 05 1218 |
| 06 1128 | 06 1128 | 08 1124 | 08 1124 | 05 1219 | 05 1219 |
| 06 1129 | 06 1129 | 08 1206 | 08 1206 | 05 1222 | 05 1222 |
| 06 1130 | 06 1130 | 0.00 | 0.000 | 05 1223 | 05 1223 |
| 06 1201 | 06 1201 | 2000.00 | 27.907 | 05 1224 | 05 1224 |
| 06 1202 | 06 1202 | 3090.00 | 47.024 | 05 1225 | 05 1225 |
| 06 1203 | 06 1203 | 4300.00 | 73.141 | 05 1226 | 05 1226 |
| 06 1204 | 06 1204 | 5370.00 | 89.033 | 05 1227 | 05 1227 |
| 06 1206 | 06 1206 | 6180.00 | 95.481 | 05 1230 | 05 1230 |
| 06 1209 | 06 1209 | 6800.00 | 97.388 | 06 0101 | 06 0101 |
| 06 1212 | 06 1212 | 13500.00 | 91.928 | 06 0102 | 06 0102 |
| 06 1216 | 06 1216 | 20000.00 | 80.907 | 06 0103 | 06 0103 |
| 06 1219 | 06 1219 | 45000.00 | 75.101 | 06 0104 | 06 0104 |
| 06 1224 | 06 1224 | 75000.00 | 74.847 | 06 0105 | 06 0105 |
| 06 1228 | 06 1228 | 117000.00 | 73.986 | 06 0106 | 06 0106 |
| 07 0107 | 07 0107 | 150000.00 | 72.266 | 06 0107 | 06 0107 |
| 07 0110 | 07 0110 | 'CURVE10' | 201 13 0 0 | 06 0108 | 06 0108 |
| 07 0113 | 07 0113 | 03 0307 | 03 0307 | 06 0109 | 06 0109 |
| 07 0115 | 07 0115 | 03 0313 | 03 0313 | 06 0110 | 06 0110 |
| 07 0116 | 07 0116 | 03 0623 | 03 0623 | 06 0309 | 06 0309 |
| 07 0117 | 07 0117 | 03 0626 | 03 0626 | 06 0310 | 06 0310 |
| 07 0121 | 07 0121 | 03 0716 | 03 0716 | 06 0319 | 06 0319 |
| 07 0122 | 07 0122 | 03 0724 | 03 0724 | 06 0320 | 06 0320 |
| 07 0129 | 07 0129 | 03 0801 | 03 0801 | 06 0321 | 06 0321 |
| 07 0130 | 07 0130 | 03 0802 | 03 0802 | 06 0322 | 06 0322 |
| 07 0201 | 07 0201 | 03 0805 | 03 0805 | 06 0323 | 06 0323 |
| 07 0202 | 07 0202 | 03 0806 | 03 0806 | 06 0324 | 06 0324 |
| 07 0203 | 07 0203 | 03 0810 | 03 0810 | 06 0325 | 06 0325 |
| 07 0421 | 07 0421 | 03 0814 | 03 0814 | 06 0326 | 06 0326 |
| 07 0501 | 07 0501 | 04 0518 | 04 0518 | 06 0327 | 06 0327 |
| 07 0502 | 07 0502 | 04 0519 | 04 0519 | 06 0328 | 06 0328 |
| 07 0505 | 07 0505 | 04 0727 | 04 0727 | 06 0329 | 06 0329 |
| 07 0603 | 07 0603 | 04 0928 | 04 0928 | 06 0331 | 06 0331 |
| 07 0731 | 07 0731 | 04 1015 | 04 1015 | 06 0401 | 06 0401 |
| 07 0804 | 07 0804 | 05 0210 | 05 0210 | 06 0402 | 06 0402 |
| 07 0806 | 07 0806 | 05 0211 | 05 0211 | 06 0404 | 06 0404 |
| 07 0809 | 07 0809 | 05 0212 | 05 0212 | 06 0405 | 06 0405 |
| 07 1012 | 07 1012 | 05 0213 | 05 0213 | 06 0406 | 06 0406 |
| 07 1022 | 07 1022 | 05 0214 | 05 0214 | 06 0407 | 06 0407 |
| 07 1103 | 07 1103 | 05 0215 | 05 0215 | 06 0408 | 06 0408 |

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| 06 0409 | 06 0409 | 07 0810 | 07 0810 | 117000.00 | 70.010 |
| 06 0410 | 06 0410 | 07 0813 | 07 0813 | 150000.00 | 68.382 |
| 06 0411 | 06 0411 | 07 0816 | 07 0816 | 'CURVE11' | 105 13 0 0 |
| 06 0412 | 06 0412 | 07 0818 | 07 0818 | 03 0727 | 03 0727 |
| 06 0423 | 06 0423 | 07 0821 | 07 0821 | 03 0729 | 03 0729 |
| 06 0424 | 06 0424 | 07 0907 | 07 0907 | 03 0731 | 03 0731 |
| 06 0508 | 06 0508 | 07 1007 | 07 1007 | 03 0804 | 03 0804 |
| 06 0630 | 06 0630 | 07 1108 | 07 1108 | 03 0906 | 03 0906 |
| 06 0813 | 06 0813 | 07 1204 | 07 1204 | 03 0907 | 03 0907 |
| 06 0824 | 06 0824 | 07 1205 | 07 1205 | 03 1030 | 03 1030 |
| 06 1021 | 06 1021 | 07 1210 | 07 1210 | 03 1115 | 03 1115 |
| 06 1024 | 06 1024 | 08 0220 | 08 0220 | 03 1120 | 03 1120 |
| 06 1025 | 06 1025 | 08 0221 | 08 0221 | 03 1121 | 03 1121 |
| 06 1102 | 06 1102 | 08 0222 | 08 0222 | 03 1125 | 03 1125 |
| 06 1105 | 06 1105 | 08 0310 | 08 0310 | 04 0512 | 04 0512 |
| 06 1106 | 06 1106 | 08 0311 | 08 0311 | 04 0517 | 04 0517 |
| 06 1107 | 06 1107 | 08 0312 | 08 0312 | 04 1010 | 04 1010 |
| 06 1111 | 06 1111 | 08 0313 | 08 0313 | 04 1031 | 04 1031 |
| 06 1117 | 06 1117 | 08 0314 | 08 0314 | 05 0217 | 05 0217 |
| 06 1119 | 06 1119 | 08 0315 | 08 0315 | 05 0222 | 05 0222 |
| 06 1120 | 06 1120 | 08 0316 | 08 0316 | 05 0403 | 05 0403 |
| 06 1123 | 06 1123 | 08 0317 | 08 0317 | 05 0628 | 05 0628 |
| 06 1207 | 06 1207 | 08 0318 | 08 0318 | 05 0629 | 05 0629 |
| 06 1208 | 06 1208 | 08 0319 | 08 0319 | 05 0630 | 05 0630 |
| 06 1213 | 06 1213 | 08 0320 | 08 0320 | 05 0712 | 05 0712 |
| 06 1214 | 06 1214 | 08 0321 | 08 0321 | 05 0721 | 05 0721 |
| 06 1215 | 06 1215 | 08 0322 | 08 0322 | 05 0723 | 05 0723 |
| 06 1220 | 06 1220 | 08 0323 | 08 0323 | 05 0725 | 05 0725 |
| 06 1223 | 06 1223 | 08 0324 | 08 0324 | 05 0730 | 05 0730 |
| 07 0204 | 07 0204 | 08 0325 | 08 0325 | 05 0801 | 05 0801 |
| 07 0208 | 07 0208 | 08 0326 | 08 0326 | 05 0802 | 05 0802 |
| 07 0209 | 07 0209 | 08 0404 | 08 0404 | 05 0907 | 05 0907 |
| 07 0210 | 07 0210 | 08 0425 | 08 0425 | 05 1117 | 05 1117 |
| 07 0211 | 07 0211 | 08 0426 | 08 0426 | 05 1118 | 05 1118 |
| 07 0212 | 07 0212 | 08 0627 | 08 0627 | 05 1120 | 05 1120 |
| 07 0213 | 07 0213 | 08 0629 | 08 0629 | 05 1121 | 05 1121 |
| 07 0214 | 07 0214 | 08 0630 | 08 0630 | 05 1201 | 05 1201 |
| 07 0219 | 07 0219 | 08 0710 | 08 0710 | 05 1203 | 05 1203 |
| 07 0220 | 07 0220 | 08 0801 | 08 0801 | 05 1205 | 05 1205 |
| 07 0221 | 07 0221 | 08 0803 | 08 0803 | 05 1206 | 05 1206 |
| 07 0224 | 07 0224 | 08 0804 | 08 0804 | 05 1207 | 05 1207 |
| 07 0225 | 07 0225 | 08 0819 | 08 0819 | 05 1208 | 05 1208 |
| 07 0301 | 07 0301 | 08 0824 | 08 0824 | 05 1209 | 05 1209 |
| 07 0302 | 07 0302 | 08 1010 | 08 1010 | 05 1210 | 05 1210 |
| 07 0303 | 07 0303 | 08 1012 | 08 1012 | 05 1211 | 05 1211 |
| 07 0304 | 07 0304 | 08 1017 | 08 1017 | 05 1212 | 05 1212 |
| 07 0310 | 07 0310 | 08 1113 | 08 1113 | 05 1213 | 05 1213 |
| 07 0311 | 07 0311 | 08 1202 | 08 1202 | 05 1215 | 05 1215 |
| 07 0312 | 07 0312 | 08 1203 | 08 1203 | 05 1221 | 05 1221 |
| 07 0313 | 07 0313 | 08 1209 | 08 1209 | 05 1228 | 05 1228 |
| 07 0314 | 07 0314 | 08 1221 | 08 1221 | 05 1229 | 05 1229 |
| 07 0316 | 07 0316 | 08 1230 | 08 1230 | 05 1231 | 05 1231 |
| 07 0317 | 07 0317 | 0.00 | 0.000 | 06 0111 | 06 0111 |
| 07 0318 | 07 0318 | 2000.00 | 26.407 | 06 0112 | 06 0112 |
| 07 0319 | 07 0319 | 3090.00 | 44.497 | 06 0117 | 06 0117 |
| 07 0320 | 07 0320 | 4300.00 | 69.210 | 06 0317 | 06 0317 |
| 07 0425 | 07 0425 | 5370.00 | 84.249 | 06 0318 | 06 0318 |
| 07 0504 | 07 0504 | 6180.00 | 90.350 | 06 0403 | 06 0403 |
| 07 0506 | 07 0506 | 6800.00 | 92.154 | 06 0629 | 06 0629 |
| 07 0525 | 07 0525 | 13500.00 | 86.988 | 06 0812 | 06 0812 |
| 07 0619 | 07 0619 | 20000.00 | 76.559 | 06 0927 | 06 0927 |
| 07 0628 | 07 0628 | 45000.00 | 71.065 | 06 1011 | 06 1011 |
| 07 0726 | 07 0726 | 75000.00 | 70.824 | 06 1019 | 06 1019 |

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| 06 1112 | 06 1112 | 03 0909 | 03 0909 | 07 0819 | 07 0819 |
| 07 0126 | 07 0126 | 03 0915 | 03 0915 | 07 1024 | 07 1024 |
| 07 0217 | 07 0217 | 03 0917 | 03 0917 | 08 0417 | 08 0417 |
| 07 0218 | 07 0218 | 03 0919 | 03 0919 | 08 0422 | 08 0422 |
| 07 0222 | 07 0222 | 03 0921 | 03 0921 | 08 0504 | 08 0504 |
| 07 0223 | 07 0223 | 03 0924 | 03 0924 | 08 0527 | 08 0527 |
| 07 0227 | 07 0227 | 03 0926 | 03 0926 | 08 0608 | 08 0608 |
| 07 0228 | 07 0228 | 03 0927 | 03 0927 | 08 0701 | 08 0701 |
| 07 0309 | 07 0309 | 03 1004 | 03 1004 | 08 0723 | 08 0723 |
| 07 0321 | 07 0321 | 03 1028 | 03 1028 | 08 0724 | 08 0724 |
| 07 0621 | 07 0621 | 03 1029 | 03 1029 | 08 0808 | 08 0808 |
| 07 0725 | 07 0725 | 03 1031 | 03 1031 | 08 0809 | 08 0809 |
| 07 0730 | 07 0730 | 03 1101 | 03 1101 | 08 0810 | 08 0810 |
| 07 1105 | 07 1105 | 03 1102 | 03 1102 | 08 0811 | 08 0811 |
| 08 0328 | 08 0328 | 03 1103 | 03 1103 | 08 0906 | 08 0906 |
| 08 0329 | 08 0329 | 03 1104 | 03 1104 | 08 0907 | 08 0907 |
| 08 0330 | 08 0330 | 03 1105 | 03 1105 | 08 0916 | 08 0916 |
| 08 0331 | 08 0331 | 03 1106 | 03 1106 | 08 1016 | 08 1016 |
| 08 0401 | 08 0401 | 03 1107 | 03 1107 | 08 1024 | 08 1024 |
| 08 0402 | 08 0402 | 03 1108 | 03 1108 | 08 1025 | 08 1025 |
| 08 0403 | 08 0403 | 03 1114 | 03 1114 | 08 1222 | 08 1222 |
| 08 0409 | 08 0409 | 03 1116 | 03 1116 | 0.00 | 0.000 |
| 08 0415 | 08 0415 | 03 1119 | 03 1119 | 2000.00 | 22.925 |
| 08 0420 | 08 0420 | 03 1122 | 03 1122 | 3090.00 | 38.629 |
| 08 0423 | 08 0423 | 03 1123 | 03 1123 | 4300.00 | 60.084 |
| 08 0427 | 08 0427 | 03 1124 | 03 1124 | 5370.00 | 73.140 |
| 08 0503 | 08 0503 | 04 0502 | 04 0502 | 6180.00 | 78.436 |
| 08 0505 | 08 0505 | 04 1009 | 04 1009 | 6800.00 | 80.003 |
| 08 0708 | 08 0708 | 05 0701 | 05 0701 | 13500.00 | 75.518 |
| 08 0722 | 08 0722 | 05 0718 | 05 0718 | 20000.00 | 66.464 |
| 08 0725 | 08 0725 | 05 0722 | 05 0722 | 45000.00 | 61.694 |
| 08 0726 | 08 0726 | 05 0724 | 05 0724 | 75000.00 | 61.486 |
| 08 0727 | 08 0727 | 05 0728 | 05 0728 | 117000.00 | 60.779 |
| 08 0728 | 08 0728 | 05 0729 | 05 0729 | 150000.00 | 59.365 |
| 08 0729 | 08 0729 | 05 0803 | 05 0803 | 'CURVE13' | 052 13 0 0 |
| 08 0730 | 08 0730 | 05 0807 | 05 0807 | 03 0714 | 03 0714 |
| 08 0731 | 08 0731 | 05 0809 | 05 0809 | 03 0715 | 03 0715 |
| 08 0820 | 08 0820 | 05 0908 | 05 0908 | 03 0808 | 03 0808 |
| 08 0821 | 08 0821 | 05 0920 | 05 0920 | 03 0908 | 03 0908 |
| 08 0822 | 08 0822 | 05 1204 | 05 1204 | 03 0912 | 03 0912 |
| 08 0823 | 08 0823 | 05 1216 | 05 1216 | 03 0913 | 03 0913 |
| 08 0827 | 08 0827 | 05 1220 | 05 1220 | 03 0914 | 03 0914 |
| 08 0908 | 08 0908 | 06 0822 | 06 0822 | 03 0916 | 03 0916 |
| 08 1014 | 08 1014 | 06 1003 | 06 1003 | 03 0918 | 03 0918 |
| 08 1015 | 08 1015 | 06 1016 | 06 1016 | 03 0920 | 03 0920 |
| 0.00 | 0.000 | 06 1017 | 06 1017 | 03 0922 | 03 0922 |
| 2000.00 | 25.010 | 06 1018 | 06 1018 | 03 0923 | 03 0923 |
| 3090.00 | 42.143 | 06 1020 | 06 1020 | 03 0925 | 03 0925 |
| 4300.00 | 65.548 | 06 1029 | 06 1029 | 03 0928 | 03 0928 |
| 5370.00 | 79.791 | 07 0205 | 07 0205 | 03 1005 | 03 1005 |
| 6180.00 | 85.569 | 07 0215 | 07 0215 | 03 1011 | 03 1011 |
| 6800.00 | 87.279 | 07 0216 | 07 0216 | 03 1012 | 03 1012 |
| 13500.00 | 82.386 | 07 0305 | 07 0305 | 03 1013 | 03 1013 |
| 20000.00 | 72.509 | 07 0306 | 07 0306 | 03 1014 | 03 1014 |
| 45000.00 | 67.305 | 07 0307 | 07 0307 | 03 1025 | 03 1025 |
| 75000.00 | 67.077 | 07 0308 | 07 0308 | 03 1110 | 03 1110 |
| 117000.00 | 66.306 | 07 0315 | 07 0315 | 03 1111 | 03 1111 |
| 150000.00 | 64.764 | 07 0322 | 07 0322 | 03 1216 | 03 1216 |
| 'CURVE12' | 088 13 0 0 | 07 0722 | 07 0722 | 03 1217 | 03 1217 |
| 03 0119 | 03 0119 | 07 0728 | 07 0728 | 05 0218 | 05 0218 |
| 03 0730 | 03 0730 | 07 0729 | 07 0729 | 05 0219 | 05 0219 |
| 03 0807 | 03 0807 | 07 0814 | 07 0814 | 05 0220 | 05 0220 |
| 03 0903 | 03 0903 | 07 0815 | 07 0815 | 05 0726 | 05 0726 |

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| 05 0731 | 05 0731 | 06 0910 | 06 0910 | 4300.00 | 42.640 |
| 05 0905 | 05 0905 | 06 0913 | 06 0913 | 5370.00 | 51.905 |
| 05 1106 | 05 1106 | 06 0914 | 06 0914 | 6180.00 | 55.664 |
| 05 1111 | 05 1111 | 06 0919 | 06 0919 | 6800.00 | 56.775 |
| 06 0823 | 06 0823 | 06 0923 | 06 0923 | 13500.00 | 53.593 |
| 06 0909 | 06 0909 | 06 0928 | 06 0928 | 20000.00 | 47.168 |
| 06 1028 | 06 1028 | 07 0711 | 07 0711 | 45000.00 | 43.782 |
| 06 1118 | 06 1118 | 07 0712 | 07 0712 | 75000.00 | 43.634 |
| 07 0206 | 07 0206 | 07 0715 | 07 0715 | 117000.00 | 43.133 |
| 07 0627 | 07 0627 | 08 0119 | 08 0119 | 150000.00 | 42.130 |
| 07 0710 | 07 0710 | 08 0121 | 08 0121 | 'CURVE16' | 012 13 0 0 |
| 07 0713 | 07 0713 | 08 0122 | 08 0122 | 05 0804 | 05 0804 |
| 07 0714 | 07 0714 | 08 0125 | 08 0125 | 06 0917 | 06 0917 |
| 07 0721 | 07 0721 | 08 0521 | 08 0521 | 06 0920 | 06 0920 |
| 07 0727 | 07 0727 | 08 0812 | 08 0812 | 06 0925 | 06 0925 |
| 07 1023 | 07 1023 | 08 0814 | 08 0814 | 06 0930 | 06 0930 |
| 08 0120 | 08 0120 | 08 0815 | 08 0815 | 06 1001 | 06 1001 |
| 08 0327 | 08 0327 | 08 0922 | 08 0922 | 07 0226 | 07 0226 |
| 08 0414 | 08 0414 | 0.00 | 0.000 | 07 0718 | 07 0718 |
| 08 0418 | 08 0418 | 2000.00 | 18.422 | 07 0719 | 07 0719 |
| 08 0421 | 08 0421 | 3090.00 | 31.041 | 07 0720 | 07 0720 |
| 08 0807 | 08 0807 | 4300.00 | 48.281 | 08 0915 | 08 0915 |
| 08 1026 | 08 1026 | 5370.00 | 58.772 | 08 1223 | 08 1223 |
| 08 1028 | 08 1028 | 6180.00 | 63.028 | 0.00 | 0.000 |
| 0.00 | 0.000 | 6800.00 | 64.287 | 2000.00 | 14.097 |
| 2000.00 | 20.483 | 13500.00 | 60.683 | 3090.00 | 23.754 |
| 3090.00 | 34.514 | 20000.00 | 53.408 | 4300.00 | 36.947 |
| 4300.00 | 53.683 | 45000.00 | 49.575 | 5370.00 | 44.975 |
| 5370.00 | 65.347 | 75000.00 | 49.407 | 6180.00 | 48.232 |
| 6180.00 | 70.079 | 117000.00 | 48.839 | 6800.00 | 49.196 |
| 6800.00 | 71.479 | 150000.00 | 47.704 | 13500.00 | 46.438 |
| 13500.00 | 67.472 | 'CURVE15' | 028 13 0 0 | 20000.00 | 40.870 |
| 20000.00 | 59.383 | 03 1006 | 03 1006 | 45000.00 | 37.937 |
| 45000.00 | 55.121 | 03 1007 | 03 1007 | 75000.00 | 37.809 |
| 75000.00 | 54.935 | 03 1009 | 03 1009 | 117000.00 | 37.374 |
| 117000.00 | 54.303 | 03 1015 | 03 1015 | 150000.00 | 36.505 |
| 150000.00 | 53.040 | 03 1016 | 03 1016 | 'CURVE17' | 008 13 0 0 |
| 'CURVE14' | 043 13 0 0 | 03 1021 | 03 1021 | 04 0811 | 04 0811 |
| 03 0910 | 03 0910 | 03 1023 | 03 1023 | 04 1110 | 04 1110 |
| 03 0911 | 03 0911 | 03 1024 | 03 1024 | 05 1031 | 05 1031 |
| 03 0929 | 03 0929 | 05 0209 | 05 0209 | 06 1027 | 06 1027 |
| 03 0930 | 03 0930 | 05 0806 | 05 0806 | 07 0131 | 07 0131 |
| 03 1001 | 03 1001 | 06 0915 | 06 0915 | 07 0820 | 07 0820 |
| 03 1002 | 03 1002 | 06 0916 | 06 0916 | 08 0410 | 08 0410 |
| 03 1003 | 03 1003 | 06 0918 | 06 0918 | 08 0411 | 08 0411 |
| 03 1008 | 03 1008 | 06 0921 | 06 0921 | 0.00 | 0.000 |
| 03 1010 | 03 1010 | 06 0922 | 06 0922 | 2000.00 | 11.757 |
| 03 1017 | 03 1017 | 06 0924 | 06 0924 | 3090.00 | 19.811 |
| 03 1018 | 03 1018 | 06 0926 | 06 0926 | 4300.00 | 30.815 |
| 03 1019 | 03 1019 | 06 0929 | 06 0929 | 5370.00 | 37.510 |
| 03 1020 | 03 1020 | 07 0207 | 07 0207 | 6180.00 | 40.227 |
| 03 1022 | 03 1022 | 07 0716 | 07 0716 | 6800.00 | 41.030 |
| 03 1026 | 03 1026 | 07 0717 | 07 0717 | 13500.00 | 38.730 |
| 03 1027 | 03 1027 | 07 0723 | 07 0723 | 20000.00 | 34.087 |
| 03 1109 | 03 1109 | 07 0724 | 07 0724 | 45000.00 | 31.640 |
| 03 1112 | 03 1112 | 08 0124 | 08 0124 | 75000.00 | 31.533 |
| 03 1113 | 03 1113 | 08 0407 | 08 0407 | 117000.00 | 31.171 |
| 03 1117 | 03 1117 | 08 0413 | 08 0413 | 150000.00 | 30.446 |
| 03 1118 | 03 1118 | 08 0813 | 08 0813 | 'CURVE18' | 001 13 0 0 |
| 05 0727 | 05 0727 | 08 1027 | 08 1027 | 08 0412 | 08 0412 |
| 05 0805 | 05 0805 | 0.00 | 0.000 | 0.00 | 0.000 |
| 05 0808 | 05 0808 | 2000.00 | 16.269 | 2000.00 | 9.778 |
| 06 0908 | 06 0908 | 3090.00 | 27.414 | 3090.00 | 16.476 |

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| 4300.00 | 25.626 |
| 5370.00 | 31.195 |
| 6180.00 | 33.454 |
| 6800.00 | 34.122 |
| 13500.00 | 32.209 |
| 20000.00 | 28.348 |
| 45000.00 | 26.313 |
| 75000.00 | 26.224 |
| 117000.00 | 25.923 |
| 150000.00 | 25.320 |
| 'CURVE19' | 003 13 0 0 |
| 04 0814 | 04 0814 |
| 06 1002 | 06 1002 |
| 08 1231 | 08 1231 |
| 0.00 | 0.000 |
| 2000.00 | 8.522 |
| 3090.00 | 14.360 |
| 4300.00 | 22.335 |
| 5370.00 | 27.188 |
| 6180.00 | 29.157 |
| 6800.00 | 29.739 |
| 13500.00 | 28.072 |
| 20000.00 | 24.706 |
| 45000.00 | 22.933 |
| 75000.00 | 22.856 |
| 117000.00 | 22.593 |
| 150000.00 | 22.068 |
| 'CURVE20' | 001 13 0 0 |
| 08 0406 | 08 0406 |
| 0.00 | 0.000 |
| 2000.00 | 6.113 |
| 3090.00 | 10.301 |
| 4300.00 | 16.023 |
| 5370.00 | 19.504 |
| 6180.00 | 20.917 |
| 6800.00 | 21.334 |
| 13500.00 | 20.138 |
| 20000.00 | 17.724 |
| 45000.00 | 16.452 |
| 75000.00 | 16.396 |
| 117000.00 | 16.208 |
| 150000.00 | 15.831 |

HWBEG Input File for Glens Falls

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 1
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
09
'GLENFALLS' 'GENERAL' 1
'FILLCRV' 6 3 0 0
03 0101 03 1231
04 0101 04 1231
05 0101 05 1231
06 0101 06 1231
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08 0101 08 1231
0 0
4400 292.8
100000 292.8

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HWBEG Input File for South Glens Falls

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 1
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
10
'SGLENFALLS' 'GENERAL' 20
'CURVE01' 030 13 0 0 | 06 0925 06 0925 | 45000.00 117.445
03 0707 03 0707 | 07 0613 07 0613 | 100000.00 58.722
03 0708 03 0708 | 07 0709 07 0709 | 'CURVE02' 124 13 0 0
06 0829 06 0829 | 07 0913 07 0913 | 03 0424 03 0424
06 0830 06 0830 | 08 0108 08 0108 | 03 0502 03 0502
06 0831 06 0831 | 08 0524 08 0524 | 03 0503 03 0503
06 0901 06 0901 | 08 0525 08 0525 | 03 0505 03 0505
06 0905 06 0905 | 08 0526 08 0526 | 03 0507 03 0507
06 0906 06 0906 | 08 0911 08 0911 | 03 0509 03 0509
06 0907 06 0907 | 08 1119 08 1119 | 03 0513 03 0513
06 0908 06 0908 | 0.00 0.000 | 03 0515 03 0515
06 0911 06 0911 | 2080.00 211.400 | 03 0715 03 0715
06 0912 06 0912 | 2920.00 305.356 | 03 1219 03 1219
06 0913 06 0913 | 3670.00 392.265 | 03 1225 03 1225
06 0914 06 0914 | 4275.00 408.708 | 04 0103 04 0103
06 0915 06 0915 | 4820.00 405.184 | 04 0508 04 0508
06 0918 06 0918 | 6450.00 392.265 | 04 0602 04 0602
06 0919 06 0919 | 8450.00 369.951 | 04 1001 04 1001
06 0920 06 0920 | 10550.00 346.462 | 04 1003 04 1003
06 0921 06 0921 | 15000.00 293.612 | 05 0425 05 0425
06 0922 06 0922 | 38800.00 135.061 | 05 0426 05 0426

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| 05 0428 | 05 0428 | 07 0903 | 07 0903 | 03 0330 | 03 0330 |
| 05 0430 | 05 0430 | 07 0908 | 07 0908 | 03 0402 | 03 0402 |
| 05 0501 | 05 0501 | 07 0911 | 07 0911 | 03 0419 | 03 0419 |
| 05 0502 | 05 0502 | 07 0912 | 07 0912 | 03 0423 | 03 0423 |
| 05 0503 | 05 0503 | 07 0915 | 07 0915 | 03 0427 | 03 0427 |
| 05 0504 | 05 0504 | 07 0916 | 07 0916 | 03 0428 | 03 0428 |
| 05 0505 | 05 0505 | 07 0919 | 07 0919 | 03 0429 | 03 0429 |
| 05 0506 | 05 0506 | 07 0920 | 07 0920 | 03 0430 | 03 0430 |
| 05 0507 | 05 0507 | 07 1024 | 07 1024 | 03 0501 | 03 0501 |
| 05 0508 | 05 0508 | 07 1111 | 07 1111 | 03 0506 | 03 0506 |
| 05 0526 | 05 0526 | 08 0106 | 08 0106 | 03 0508 | 03 0508 |
| 05 0602 | 05 0602 | 08 0107 | 08 0107 | 03 0510 | 03 0510 |
| 05 0603 | 05 0603 | 08 0109 | 08 0109 | 03 0516 | 03 0516 |
| 05 0604 | 05 0604 | 08 0121 | 08 0121 | 03 0517 | 03 0517 |
| 05 0619 | 05 0619 | 08 0123 | 08 0123 | 03 0803 | 03 0803 |
| 05 0814 | 05 0814 | 08 0127 | 08 0127 | 03 0910 | 03 0910 |
| 05 0827 | 05 0827 | 08 0210 | 08 0210 | 03 1213 | 03 1213 |
| 05 1008 | 05 1008 | 08 0213 | 08 0213 | 03 1220 | 03 1220 |
| 05 1014 | 05 1014 | 08 0214 | 08 0214 | 03 1226 | 03 1226 |
| 05 1020 | 05 1020 | 08 0419 | 08 0419 | 03 1231 | 03 1231 |
| 05 1029 | 05 1029 | 08 0420 | 08 0420 | 04 0101 | 04 0101 |
| 05 1030 | 05 1030 | 08 0421 | 08 0421 | 04 0102 | 04 0102 |
| 06 0210 | 06 0210 | 08 0422 | 08 0422 | 04 0106 | 04 0106 |
| 06 0429 | 06 0429 | 08 0423 | 08 0423 | 04 0107 | 04 0107 |
| 06 0430 | 06 0430 | 08 0425 | 08 0425 | 04 0330 | 04 0330 |
| 06 0520 | 06 0520 | 08 0426 | 08 0426 | 04 0331 | 04 0331 |
| 06 0523 | 06 0523 | 08 0429 | 08 0429 | 04 0401 | 04 0401 |
| 06 0525 | 06 0525 | 08 0430 | 08 0430 | 04 0402 | 04 0402 |
| 06 0629 | 06 0629 | 08 0501 | 08 0501 | 04 0527 | 04 0527 |
| 06 0630 | 06 0630 | 08 0502 | 08 0502 | 04 0528 | 04 0528 |
| 06 0701 | 06 0701 | 08 0527 | 08 0527 | 04 0531 | 04 0531 |
| 06 0702 | 06 0702 | 08 0903 | 08 0903 | 04 0604 | 04 0604 |
| 06 0704 | 06 0704 | 08 0904 | 08 0904 | 04 1230 | 04 1230 |
| 06 0816 | 06 0816 | 08 0906 | 08 0906 | 05 0405 | 05 0405 |
| 06 0818 | 06 0818 | 08 0908 | 08 0908 | 05 0406 | 05 0406 |
| 06 0820 | 06 0820 | 08 0910 | 08 0910 | 05 0407 | 05 0407 |
| 06 0824 | 06 0824 | 08 0913 | 08 0913 | 05 0409 | 05 0409 |
| 06 0825 | 06 0825 | 08 0915 | 08 0915 | 05 0410 | 05 0410 |
| 06 0826 | 06 0826 | 08 1004 | 08 1004 | 05 0411 | 05 0411 |
| 06 0828 | 06 0828 | 08 1213 | 08 1213 | 05 0424 | 05 0424 |
| 06 0903 | 06 0903 | 08 1216 | 08 1216 | 05 0427 | 05 0427 |
| 06 0904 | 06 0904 | 08 1217 | 08 1217 | 05 0429 | 05 0429 |
| 06 0926 | 06 0926 | 08 1218 | 08 1218 | 05 0509 | 05 0509 |
| 06 0927 | 06 0927 | 0.00 0.000 | | 05 0511 | 05 0511 |
| 07 0414 | 07 0414 | 2080.00 | 185.737 | 05 0609 | 05 0609 |
| 07 0423 | 07 0423 | 2920.00 | 268.287 | 05 0618 | 05 0618 |
| 07 0424 | 07 0424 | 3670.00 | 344.646 | 05 0620 | 05 0620 |
| 07 0425 | 07 0425 | 4275.00 | 359.092 | 05 0621 | 05 0621 |
| 07 0426 | 07 0426 | 4820.00 | 355.996 | 05 0726 | 05 0726 |
| 07 0427 | 07 0427 | 6450.00 | 344.646 | 05 0728 | 05 0728 |
| 07 0428 | 07 0428 | 8450.00 | 325.040 | 05 0730 | 05 0730 |
| 07 0429 | 07 0429 | 10550.00 | 304.403 | 05 0803 | 05 0803 |
| 07 0430 | 07 0430 | 15000.00 | 257.968 | 05 0822 | 05 0822 |
| 07 0507 | 07 0507 | 38800.00 | 118.665 | 05 0909 | 05 0909 |
| 07 0508 | 07 0508 | 45000.00 | 103.187 | 05 0912 | 05 0912 |
| 07 0512 | 07 0512 | 100000.00 | 51.594 | 05 0927 | 05 0927 |
| 07 0601 | 07 0601 | 'CURVE03' | 203 13 0 0 | 05 0928 | 05 0928 |
| 07 0605 | 07 0605 | 03 0127 | 03 0127 | 05 1011 | 05 1011 |
| 07 0610 | 07 0610 | 03 0225 | 03 0225 | 05 1013 | 05 1013 |
| 07 0614 | 07 0614 | 03 0323 | 03 0323 | 05 1016 | 05 1016 |
| 07 0617 | 07 0617 | 03 0324 | 03 0324 | 05 1019 | 05 1019 |
| 07 0727 | 07 0727 | 03 0325 | 03 0325 | 05 1021 | 05 1021 |
| 07 0827 | 07 0827 | 03 0326 | 03 0326 | 05 1122 | 05 1122 |

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| 05 1124 | 05 1124 | 07 0130 | 07 0130 | 08 0901 | 08 0901 |
| 05 1125 | 05 1125 | 07 0131 | 07 0131 | 08 0905 | 08 0905 |
| 05 1126 | 05 1126 | 07 0201 | 07 0201 | 08 0907 | 08 0907 |
| 05 1203 | 05 1203 | 07 0202 | 07 0202 | 08 0912 | 08 0912 |
| 05 1204 | 05 1204 | 07 0203 | 07 0203 | 08 1122 | 08 1122 |
| 05 1205 | 05 1205 | 07 0204 | 07 0204 | 08 1215 | 08 1215 |
| 05 1206 | 05 1206 | 07 0205 | 07 0205 | 08 1226 | 08 1226 |
| 05 1207 | 05 1207 | 07 0331 | 07 0331 | 08 1228 | 08 1228 |
| 06 0119 | 06 0119 | 07 0405 | 07 0405 | 0.00 | 0.000 |
| 06 0121 | 06 0121 | 07 0406 | 07 0406 | 2080.00 | 181.198 |
| 06 0123 | 06 0123 | 07 0417 | 07 0417 | 2920.00 | 261.730 |
| 06 0207 | 06 0207 | 07 0419 | 07 0419 | 3670.00 | 336.222 |
| 06 0211 | 06 0211 | 07 0420 | 07 0420 | 4275.00 | 350.315 |
| 06 0212 | 06 0212 | 07 0501 | 07 0501 | 4820.00 | 347.295 |
| 06 0315 | 06 0315 | 07 0502 | 07 0502 | 6450.00 | 336.222 |
| 06 0425 | 06 0425 | 07 0506 | 07 0506 | 8450.00 | 317.096 |
| 06 0426 | 06 0426 | 07 0509 | 07 0509 | 10550.00 | 296.963 |
| 06 0427 | 06 0427 | 07 0510 | 07 0510 | 15000.00 | 251.663 |
| 06 0428 | 06 0428 | 07 0519 | 07 0519 | 38800.00 | 115.765 |
| 06 0501 | 06 0501 | 07 0612 | 07 0612 | 45000.00 | 100.665 |
| 06 0514 | 06 0514 | 07 0615 | 07 0615 | 100000.00 | 50.333 |
| 06 0515 | 06 0515 | 07 0806 | 07 0806 | 'CURVE04' | 166 13 0 0 |
| 06 0516 | 06 0516 | 07 0828 | 07 0828 | 03 0122 | 03 0122 |
| 06 0517 | 06 0517 | 07 0921 | 07 0921 | 03 0220 | 03 0220 |
| 06 0521 | 06 0521 | 07 0923 | 07 0923 | 03 0312 | 03 0312 |
| 06 0522 | 06 0522 | 07 1003 | 07 1003 | 03 0327 | 03 0327 |
| 06 0524 | 06 0524 | 07 1127 | 07 1127 | 03 0328 | 03 0328 |
| 06 0604 | 06 0604 | 07 1128 | 07 1128 | 03 0329 | 03 0329 |
| 06 0607 | 06 0607 | 07 1129 | 07 1129 | 03 0331 | 03 0331 |
| 06 0609 | 06 0609 | 07 1130 | 07 1130 | 03 0401 | 03 0401 |
| 06 0610 | 06 0610 | 07 1201 | 07 1201 | 03 0417 | 03 0417 |
| 06 0611 | 06 0611 | 07 1223 | 07 1223 | 03 0418 | 03 0418 |
| 06 0612 | 06 0612 | 08 0113 | 08 0113 | 03 0425 | 03 0425 |
| 06 0627 | 06 0627 | 08 0119 | 08 0119 | 03 0514 | 03 0514 |
| 06 0705 | 06 0705 | 08 0122 | 08 0122 | 03 0623 | 03 0623 |
| 06 0706 | 06 0706 | 08 0125 | 08 0125 | 03 0721 | 03 0721 |
| 06 0707 | 06 0707 | 08 0129 | 08 0129 | 03 0722 | 03 0722 |
| 06 0708 | 06 0708 | 08 0207 | 08 0207 | 03 1031 | 03 1031 |
| 06 0713 | 06 0713 | 08 0208 | 08 0208 | 03 1101 | 03 1101 |
| 06 0910 | 06 0910 | 08 0211 | 08 0211 | 03 1122 | 03 1122 |
| 06 1118 | 06 1118 | 08 0215 | 08 0215 | 03 1123 | 03 1123 |
| 06 1119 | 06 1119 | 08 0219 | 08 0219 | 03 1227 | 03 1227 |
| 06 1125 | 06 1125 | 08 0222 | 08 0222 | 03 1228 | 03 1228 |
| 06 1126 | 06 1126 | 08 0312 | 08 0312 | 03 1229 | 03 1229 |
| 06 1207 | 06 1207 | 08 0313 | 08 0313 | 04 0104 | 04 0104 |
| 06 1227 | 06 1227 | 08 0316 | 08 0316 | 04 0105 | 04 0105 |
| 07 0107 | 07 0107 | 08 0320 | 08 0320 | 04 0108 | 04 0108 |
| 07 0108 | 07 0108 | 08 0325 | 08 0325 | 04 0113 | 04 0113 |
| 07 0109 | 07 0109 | 08 0328 | 08 0328 | 04 0405 | 04 0405 |
| 07 0110 | 07 0110 | 08 0405 | 08 0405 | 04 0406 | 04 0406 |
| 07 0111 | 07 0111 | 08 0406 | 08 0406 | 04 0512 | 04 0512 |
| 07 0112 | 07 0112 | 08 0411 | 08 0411 | 04 0525 | 04 0525 |
| 07 0117 | 07 0117 | 08 0413 | 08 0413 | 04 0526 | 04 0526 |
| 07 0119 | 07 0119 | 08 0414 | 08 0414 | 04 0529 | 04 0529 |
| 07 0120 | 07 0120 | 08 0417 | 08 0417 | 04 0601 | 04 0601 |
| 07 0121 | 07 0121 | 08 0418 | 08 0418 | 04 0603 | 04 0603 |
| 07 0122 | 07 0122 | 08 0424 | 08 0424 | 04 0905 | 04 0905 |
| 07 0124 | 07 0124 | 08 0427 | 08 0427 | 04 1002 | 04 1002 |
| 07 0125 | 07 0125 | 08 0428 | 08 0428 | 04 1202 | 04 1202 |
| 07 0126 | 07 0126 | 08 0503 | 08 0503 | 04 1208 | 04 1208 |
| 07 0127 | 07 0127 | 08 0523 | 08 0523 | 05 0322 | 05 0322 |
| 07 0128 | 07 0128 | 08 0612 | 08 0612 | 05 0402 | 05 0402 |
| 07 0129 | 07 0129 | 08 0613 | 08 0613 | 05 0408 | 05 0408 |

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| 05 0412 | 05 0412 | 07 0114 | 07 0114 | 2080.00 | 177.340 |
| 05 0522 | 05 0522 | 07 0115 | 07 0115 | 2920.00 | 256.158 |
| 05 0523 | 05 0523 | 07 0116 | 07 0116 | 3670.00 | 329.064 |
| 05 0601 | 05 0601 | 07 0118 | 07 0118 | 4275.00 | 342.857 |
| 05 0711 | 05 0711 | 07 0123 | 07 0123 | 4820.00 | 339.901 |
| 05 0723 | 05 0723 | 07 0329 | 07 0329 | 6450.00 | 329.064 |
| 05 0807 | 05 0807 | 07 0418 | 07 0418 | 8450.00 | 310.345 |
| 05 0810 | 05 0810 | 07 0421 | 07 0421 | 10550.00 | 290.640 |
| 05 0812 | 05 0812 | 07 0503 | 07 0503 | 15000.00 | 246.305 |
| 05 0816 | 05 0816 | 07 0504 | 07 0504 | 38800.00 | 113.300 |
| 05 0819 | 05 0819 | 07 0505 | 07 0505 | 45000.00 | 98.522 |
| 05 0914 | 05 0914 | 07 0726 | 07 0726 | 100000.00 | 49.261 |
| 05 0916 | 05 0916 | 07 0829 | 07 0829 | 'CURVE05' | 191 13 0 0 |
| 05 0918 | 05 0918 | 07 0905 | 07 0905 | 03 0124 | 03 0124 |
| 05 1001 | 05 1001 | 07 0907 | 07 0907 | 03 0126 | 03 0126 |
| 05 1026 | 05 1026 | 07 0914 | 07 0914 | 03 0129 | 03 0129 |
| 05 1027 | 05 1027 | 07 0918 | 07 0918 | 03 0204 | 03 0204 |
| 05 1028 | 05 1028 | 07 0922 | 07 0922 | 03 0309 | 03 0309 |
| 05 1102 | 05 1102 | 07 1011 | 07 1011 | 03 0315 | 03 0315 |
| 05 1118 | 05 1118 | 07 1014 | 07 1014 | 03 0317 | 03 0317 |
| 05 1121 | 05 1121 | 07 1126 | 07 1126 | 03 0404 | 03 0404 |
| 05 1127 | 05 1127 | 08 0105 | 08 0105 | 03 0422 | 03 0422 |
| 05 1129 | 05 1129 | 08 0114 | 08 0114 | 03 0511 | 03 0511 |
| 05 1201 | 05 1201 | 08 0115 | 08 0115 | 03 0512 | 03 0512 |
| 05 1208 | 05 1208 | 08 0116 | 08 0116 | 03 0604 | 03 0604 |
| 05 1230 | 05 1230 | 08 0117 | 08 0117 | 03 0628 | 03 0628 |
| 06 0117 | 06 0117 | 08 0118 | 08 0118 | 03 0701 | 03 0701 |
| 06 0118 | 06 0118 | 08 0126 | 08 0126 | 03 0706 | 03 0706 |
| 06 0120 | 06 0120 | 08 0201 | 08 0201 | 03 0829 | 03 0829 |
| 06 0122 | 06 0122 | 08 0216 | 08 0216 | 03 0924 | 03 0924 |
| 06 0124 | 06 0124 | 08 0228 | 08 0228 | 03 1003 | 03 1003 |
| 06 0206 | 06 0206 | 08 0309 | 08 0309 | 03 1029 | 03 1029 |
| 06 0209 | 06 0209 | 08 0310 | 08 0310 | 03 1030 | 03 1030 |
| 06 0214 | 06 0214 | 08 0311 | 08 0311 | 03 1121 | 03 1121 |
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| 06 1001 | 06 1001 | 08 0831 | 08 0831 | 05 0524 | 05 0524 |
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| 06 1102 | 06 1102 | 08 0924 | 08 0924 | 05 0527 | 05 0527 |
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| 06 1120 | 06 1120 | 08 1105 | 08 1105 | 05 0617 | 05 0617 |
| 06 1121 | 06 1121 | 08 1116 | 08 1116 | 05 0624 | 05 0624 |
| 06 1122 | 06 1122 | 08 1123 | 08 1123 | 05 0705 | 05 0705 |
| 06 1124 | 06 1124 | 08 1128 | 08 1128 | 05 0712 | 05 0712 |
| 06 1202 | 06 1202 | 08 1129 | 08 1129 | 05 0714 | 05 0714 |
| 06 1203 | 06 1203 | 08 1130 | 08 1130 | 05 0717 | 05 0717 |
| 06 1206 | 06 1206 | 08 1201 | 08 1201 | 05 0719 | 05 0719 |
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| 06 1224 | 06 1224 | 08 1222 | 08 1222 | 05 0724 | 05 0724 |
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| 05 0830 | 05 0830 | 07 0523 | 07 0523 | 08 0721 | 08 0721 |
| 05 0906 | 05 0906 | 07 0531 | 07 0531 | 08 0725 | 08 0725 |
| 05 0907 | 05 0907 | 07 0604 | 07 0604 | 08 0824 | 08 0824 |
| 05 0908 | 05 0908 | 07 0616 | 07 0616 | 08 0909 | 08 0909 |
| 05 0921 | 05 0921 | 07 0618 | 07 0618 | 08 0918 | 08 0918 |
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| 05 0926 | 05 0926 | 07 0620 | 07 0620 | 08 1002 | 08 1002 |
| 05 1003 | 05 1003 | 07 0622 | 07 0622 | 08 1019 | 08 1019 |
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| 05 1012 | 05 1012 | 07 0630 | 07 0630 | 2080.00 | 173.449 |
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| 05 1103 | 05 1103 | 07 0708 | 07 0708 | 4275.00 | 335.334 |
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| 05 1113 | 05 1113 | 07 0804 | 07 0804 | 8450.00 | 303.535 |
| 05 1114 | 05 1114 | 07 0811 | 07 0811 | 10550.00 | 284.263 |
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| 06 0101 | 06 0101 | 07 0927 | 07 0927 | 03 0116 | 03 0116 |
| 06 0205 | 06 0205 | 07 1002 | 07 1002 | 03 0121 | 03 0121 |
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| 06 0317 | 06 0317 | 07 1013 | 07 1013 | 03 0131 | 03 0131 |
| 06 0331 | 06 0331 | 07 1016 | 07 1016 | 03 0203 | 03 0203 |
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| 06 0419 | 06 0419 | 07 1104 | 07 1104 | 03 0207 | 03 0207 |
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| 06 0710 | 06 0710 | 08 0111 | 08 0111 | 03 0222 | 03 0222 |
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| 06 1004 | 06 1004 | 08 0217 | 08 0217 | 03 0713 | 03 0713 |
| 06 1030 | 06 1030 | 08 0223 | 08 0223 | 03 0717 | 03 0717 |
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| 04 1209 | 04 1209 | 05 1213 | 05 1213 | 06 1129 | 06 1129 |
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| 05 0221 | 05 0221 | 06 0112 | 06 0112 | 06 1218 | 06 1218 |
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| 05 0401 | 05 0401 | 06 0129 | 06 0129 | 07 0104 | 07 0104 |
| 05 0403 | 05 0403 | 06 0130 | 06 0130 | 07 0211 | 07 0211 |
| 05 0413 | 05 0413 | 06 0201 | 06 0201 | 07 0328 | 07 0328 |
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| 05 0518 | 05 0518 | 06 0213 | 06 0213 | 07 0606 | 07 0606 |
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| 05 0608 | 05 0608 | 06 0223 | 06 0223 | 07 0624 | 07 0624 |
| 05 0611 | 05 0611 | 06 0225 | 06 0225 | 07 0628 | 07 0628 |
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| 05 0704 | 05 0704 | 06 0316 | 06 0316 | 07 0724 | 07 0724 |
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| 05 0710 | 05 0710 | 06 0327 | 06 0327 | 07 0731 | 07 0731 |
| 05 0713 | 05 0713 | 06 0402 | 06 0402 | 07 0803 | 07 0803 |
| 05 0715 | 05 0715 | 06 0403 | 06 0403 | 07 0805 | 07 0805 |
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| 05 0720 | 05 0720 | 06 0414 | 06 0414 | 07 0808 | 07 0808 |
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| 05 0725 | 05 0725 | 06 0416 | 06 0416 | 07 0810 | 07 0810 |
| 05 0727 | 05 0727 | 06 0420 | 06 0420 | 07 0812 | 07 0812 |
| 05 0731 | 05 0731 | 06 0421 | 06 0421 | 07 0815 | 07 0815 |
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| 05 0820 | 05 0820 | 06 0504 | 06 0504 | 07 0818 | 07 0818 |
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| 05 0824 | 05 0824 | 06 0507 | 06 0507 | 07 0906 | 07 0906 |
| 05 0826 | 05 0826 | 06 0510 | 06 0510 | 07 0925 | 07 0925 |
| 05 0828 | 05 0828 | 06 0512 | 06 0512 | 07 0930 | 07 0930 |
| 05 0904 | 05 0904 | 06 0526 | 06 0526 | 07 1006 | 07 1006 |
| 05 0905 | 05 0905 | 06 0614 | 06 0614 | 07 1007 | 07 1007 |
| 05 0913 | 05 0913 | 06 0712 | 06 0712 | 07 1008 | 07 1008 |
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| 05 0923 | 05 0923 | 06 0728 | 06 0728 | 07 1015 | 07 1015 |
| 05 0925 | 05 0925 | 06 0802 | 06 0802 | 07 1019 | 07 1019 |
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| 07 1113 | 07 1113 | 08 1203 | 08 1203 | 03 1102 | 03 1102 |
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| 07 1125 | 07 1125 | 08 1219 | 08 1219 | 03 1124 | 03 1124 |
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| 08 0202 | 08 0202 | 8450.00 | 295.042 | 04 0118 | 04 0118 |
| 08 0203 | 08 0203 | 10550.00 | 276.309 | 04 0119 | 04 0119 |
| 08 0204 | 08 0204 | 15000.00 | 234.160 | 04 0201 | 04 0201 |
| 08 0212 | 08 0212 | 38800.00 | 107.714 | 04 0205 | 04 0205 |
| 08 0218 | 08 0218 | 45000.00 | 93.664 | 04 0208 | 04 0208 |
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| 08 0221 | 08 0221 | 'CURVE07' | 305 13 0 0 | 04 0304 | 04 0304 |
| 08 0226 | 08 0226 | 03 0103 | 03 0103 | 04 0430 | 04 0430 |
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| 08 0303 | 08 0303 | 03 0109 | 03 0109 | 04 0520 | 04 0520 |
| 08 0305 | 08 0305 | 03 0112 | 03 0112 | 04 0616 | 04 0616 |
| 08 0307 | 08 0307 | 03 0115 | 03 0115 | 04 0630 | 04 0630 |
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| 08 0331 | 08 0331 | 03 0226 | 03 0226 | 04 0817 | 04 0817 |
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| 08 0807 | 08 0807 | 03 0815 | 03 0815 | 04 1225 | 04 1225 |
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| 08 0826 | 08 0826 | 03 0826 | 03 0826 | 05 0207 | 05 0207 |
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| 08 1101 | 08 1101 | 03 0926 | 03 0926 | 05 0214 | 05 0214 |
| 08 1106 | 08 1106 | 03 0927 | 03 0927 | 05 0217 | 05 0217 |
| 08 1108 | 08 1108 | 03 0929 | 03 0929 | 05 0220 | 05 0220 |
| 08 1109 | 08 1109 | 03 0930 | 03 0930 | 05 0224 | 05 0224 |
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| 05 0303 | 05 0303 | 06 0220 | 06 0220 | 07 0621 | 07 0621 |
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| 05 0314 | 05 0314 | 06 0301 | 06 0301 | 07 0711 | 07 0711 |
| 05 0316 | 05 0316 | 06 0303 | 06 0303 | 07 0715 | 07 0715 |
| 05 0317 | 05 0317 | 06 0304 | 06 0304 | 07 0721 | 07 0721 |
| 05 0320 | 05 0320 | 06 0306 | 06 0306 | 07 0802 | 07 0802 |
| 05 0325 | 05 0325 | 06 0307 | 06 0307 | 07 0814 | 07 0814 |
| 05 0330 | 05 0330 | 06 0319 | 06 0319 | 07 0820 | 07 0820 |
| 05 0331 | 05 0331 | 06 0325 | 06 0325 | 07 0824 | 07 0824 |
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| 05 0416 | 05 0416 | 06 0328 | 06 0328 | 07 0901 | 07 0901 |
| 05 0418 | 05 0418 | 06 0329 | 06 0329 | 07 0929 | 07 0929 |
| 05 0421 | 05 0421 | 06 0405 | 06 0405 | 07 1012 | 07 1012 |
| 05 0422 | 05 0422 | 06 0406 | 06 0406 | 07 1017 | 07 1017 |
| 05 0423 | 05 0423 | 06 0408 | 06 0408 | 07 1023 | 07 1023 |
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| 05 1106 | 05 1106 | 06 1104 | 06 1104 | 08 0625 | 08 0625 |
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| 05 1214 | 05 1214 | 07 0105 | 07 0105 | 08 0818 | 08 0818 |
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| 05 1229 | 05 1229 | 07 0206 | 07 0206 | 08 0823 | 08 0823 |
| 05 1231 | 05 1231 | 07 0210 | 07 0210 | 08 0828 | 08 0828 |
| 06 0104 | 06 0104 | 07 0218 | 07 0218 | 08 0830 | 08 0830 |
| 06 0105 | 06 0105 | 07 0317 | 07 0317 | 08 0914 | 08 0914 |
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| 06 0114 | 06 0114 | 07 0401 | 07 0401 | 08 1018 | 08 1018 |
| 06 0115 | 06 0115 | 07 0403 | 07 0403 | 08 1020 | 08 1020 |
| 06 0127 | 06 0127 | 07 0415 | 07 0415 | 08 1026 | 08 1026 |
| 06 0131 | 06 0131 | 07 0416 | 07 0416 | 08 1029 | 08 1029 |
| 06 0202 | 06 0202 | 07 0515 | 07 0515 | 08 1102 | 08 1102 |
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| 2080.00 | 162.518 | 04 0425 | 04 0425 | 05 0614 | 05 0614 |
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| 3670.00 | 301.562 | 04 0617 | 04 0617 | 05 0716 | 05 0716 |
| 4275.00 | 314.202 | 04 0621 | 04 0621 | 05 0809 | 05 0809 |
| 4820.00 | 311.493 | 04 0624 | 04 0624 | 05 0829 | 05 0829 |
| 6450.00 | 301.562 | 04 0704 | 04 0704 | 05 0831 | 05 0831 |
| 8450.00 | 284.407 | 04 0706 | 04 0706 | 05 0902 | 05 0902 |
| 10550.00 | 266.349 | 04 0714 | 04 0714 | 05 0903 | 05 0903 |
| 15000.00 | 225.720 | 04 0726 | 04 0726 | 05 1101 | 05 1101 |
| 38800.00 | 103.831 | 04 0729 | 04 0729 | 05 1115 | 05 1115 |
| 45000.00 | 90.288 | 04 0730 | 04 0730 | 05 1217 | 05 1217 |
| 100000.00 | 45.144 | 04 0804 | 04 0804 | 05 1220 | 05 1220 |
| 'CURVE08' | 242 13 0 0 | 04 0805 | 04 0805 | 05 1222 | 05 1222 |
| 03 0105 | 03 0105 | 04 0808 | 04 0808 | 05 1224 | 05 1224 |
| 03 0108 | 03 0108 | 04 0826 | 04 0826 | 05 1226 | 05 1226 |
| 03 0111 | 03 0111 | 04 0828 | 04 0828 | 06 0106 | 06 0106 |
| 03 0113 | 03 0113 | 04 0902 | 04 0902 | 06 0107 | 06 0107 |
| 03 0118 | 03 0118 | 04 0904 | 04 0904 | 06 0108 | 06 0108 |
| 03 0208 | 03 0208 | 04 0907 | 04 0907 | 06 0109 | 06 0109 |
| 03 0215 | 03 0215 | 04 0908 | 04 0908 | 06 0126 | 06 0126 |
| 03 0217 | 03 0217 | 04 0910 | 04 0910 | 06 0203 | 06 0203 |
| 03 0227 | 03 0227 | 04 0924 | 04 0924 | 06 0221 | 06 0221 |
| 03 0305 | 03 0305 | 04 0927 | 04 0927 | 06 0224 | 06 0224 |
| 03 0307 | 03 0307 | 04 0928 | 04 0928 | 06 0226 | 06 0226 |
| 03 0318 | 03 0318 | 04 1008 | 04 1008 | 06 0227 | 06 0227 |
| 03 0320 | 03 0320 | 04 1027 | 04 1027 | 06 0228 | 06 0228 |
| 03 0407 | 03 0407 | 04 1031 | 04 1031 | 06 0302 | 06 0302 |
| 03 0408 | 03 0408 | 04 1114 | 04 1114 | 06 0310 | 06 0310 |
| 03 0524 | 03 0524 | 04 1119 | 04 1119 | 06 0313 | 06 0313 |
| 03 0531 | 03 0531 | 04 1129 | 04 1129 | 06 0321 | 06 0321 |
| 03 0607 | 03 0607 | 04 1203 | 04 1203 | 06 0322 | 06 0322 |
| 03 0624 | 03 0624 | 04 1210 | 04 1210 | 06 0323 | 06 0323 |
| 03 0812 | 03 0812 | 04 1218 | 04 1218 | 06 0324 | 06 0324 |
| 03 0824 | 03 0824 | 04 1220 | 04 1220 | 06 0407 | 06 0407 |
| 03 0825 | 03 0825 | 05 0108 | 05 0108 | 06 0409 | 06 0409 |
| 03 0831 | 03 0831 | 05 0109 | 05 0109 | 06 0529 | 06 0529 |
| 03 0904 | 03 0904 | 05 0116 | 05 0116 | 06 0530 | 06 0530 |
| 03 0912 | 03 0912 | 05 0117 | 05 0117 | 06 0531 | 06 0531 |
| 03 0914 | 03 0914 | 05 0121 | 05 0121 | 06 0601 | 06 0601 |
| 03 1001 | 03 1001 | 05 0204 | 05 0204 | 06 0602 | 06 0602 |
| 03 1005 | 03 1005 | 05 0205 | 05 0205 | 06 0616 | 06 0616 |
| 03 1007 | 03 1007 | 05 0206 | 05 0206 | 06 0622 | 06 0622 |
| 03 1009 | 03 1009 | 05 0209 | 05 0209 | 06 0624 | 06 0624 |
| 03 1011 | 03 1011 | 05 0212 | 05 0212 | 06 0625 | 06 0625 |
| 03 1018 | 03 1018 | 05 0213 | 05 0213 | 06 0626 | 06 0626 |
| 03 1115 | 03 1115 | 05 0215 | 05 0215 | 06 0717 | 06 0717 |
| 03 1127 | 03 1127 | 05 0216 | 05 0216 | 06 0719 | 06 0719 |
| 03 1201 | 03 1201 | 05 0218 | 05 0218 | 06 0720 | 06 0720 |
| 03 1203 | 03 1203 | 05 0225 | 05 0225 | 06 0721 | 06 0721 |
| 03 1208 | 03 1208 | 05 0227 | 05 0227 | 06 0731 | 06 0731 |
| 03 1211 | 03 1211 | 05 0306 | 05 0306 | 06 0805 | 06 0805 |

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| 06 0806 | 06 0806 | 08 0917 | 08 0917 | 03 0620 | 03 0620 |
| 06 0811 | 06 0811 | 08 0929 | 08 0929 | 03 0726 | 03 0726 |
| 06 0823 | 06 0823 | 08 1007 | 08 1007 | 03 0728 | 03 0728 |
| 06 1006 | 06 1006 | 08 1011 | 08 1011 | 03 0802 | 03 0802 |
| 06 1015 | 06 1015 | 08 1021 | 08 1021 | 03 0805 | 03 0805 |
| 06 1024 | 06 1024 | 08 1022 | 08 1022 | 03 0806 | 03 0806 |
| 06 1105 | 06 1105 | 08 1030 | 08 1030 | 03 0809 | 03 0809 |
| 06 1106 | 06 1106 | 08 1031 | 08 1031 | 03 0814 | 03 0814 |
| 06 1112 | 06 1112 | 08 1104 | 08 1104 | 03 0827 | 03 0827 |
| 06 1220 | 06 1220 | 08 1111 | 08 1111 | 03 0830 | 03 0830 |
| 06 1225 | 06 1225 | 08 1112 | 08 1112 | 03 0901 | 03 0901 |
| 06 1228 | 06 1228 | 08 1113 | 08 1113 | 03 0906 | 03 0906 |
| 06 1229 | 06 1229 | 08 1211 | 08 1211 | 03 0908 | 03 0908 |
| 07 0214 | 07 0214 | 08 1224 | 08 1224 | 03 0916 | 03 0916 |
| 07 0217 | 07 0217 | 08 1230 | 08 1230 | 03 0917 | 03 0917 |
| 07 0224 | 07 0224 | 0.00 | 0.000 | 03 0919 | 03 0919 |
| 07 0225 | 07 0225 | 2080.00 | 159.844 | 03 0925 | 03 0925 |
| 07 0303 | 07 0303 | 2920.00 | 230.886 | 03 1002 | 03 1002 |
| 07 0304 | 07 0304 | 3670.00 | 296.600 | 03 1010 | 03 1010 |
| 07 0310 | 07 0310 | 4275.00 | 309.032 | 03 1012 | 03 1012 |
| 07 0311 | 07 0311 | 4820.00 | 306.368 | 03 1017 | 03 1017 |
| 07 0402 | 07 0402 | 6450.00 | 296.600 | 03 1104 | 03 1104 |
| 07 0407 | 07 0407 | 8450.00 | 279.728 | 03 1105 | 03 1105 |
| 07 0411 | 07 0411 | 10550.00 | 261.967 | 03 1106 | 03 1106 |
| 07 0413 | 07 0413 | 15000.00 | 222.006 | 03 1107 | 03 1107 |
| 07 0513 | 07 0513 | 38800.00 | 102.123 | 03 1116 | 03 1116 |
| 07 0526 | 07 0526 | 45000.00 | 88.802 | 03 1117 | 03 1117 |
| 07 0705 | 07 0705 | 100000.00 | 44.401 | 03 1119 | 03 1119 |
| 07 0720 | 07 0720 | 'CURVE09' | 267 13 0 0 | 03 1125 | 03 1125 |
| 07 0819 | 07 0819 | 03 0102 | 03 0102 | 03 1128 | 03 1128 |
| 07 1004 | 07 1004 | 03 0106 | 03 0106 | 03 1130 | 03 1130 |
| 07 1010 | 07 1010 | 03 0110 | 03 0110 | 03 1202 | 03 1202 |
| 07 1018 | 07 1018 | 03 0114 | 03 0114 | 03 1206 | 03 1206 |
| 07 1028 | 07 1028 | 03 0119 | 03 0119 | 03 1209 | 03 1209 |
| 07 1110 | 07 1110 | 03 0202 | 03 0202 | 04 0110 | 04 0110 |
| 07 1117 | 07 1117 | 03 0206 | 03 0206 | 04 0121 | 04 0121 |
| 07 1122 | 07 1122 | 03 0209 | 03 0209 | 04 0122 | 04 0122 |
| 07 1204 | 07 1204 | 03 0210 | 03 0210 | 04 0124 | 04 0124 |
| 07 1205 | 07 1205 | 03 0214 | 03 0214 | 04 0125 | 04 0125 |
| 08 0120 | 08 0120 | 03 0224 | 03 0224 | 04 0126 | 04 0126 |
| 08 0306 | 08 0306 | 03 0304 | 03 0304 | 04 0127 | 04 0127 |
| 08 0507 | 08 0507 | 03 0308 | 03 0308 | 04 0128 | 04 0128 |
| 08 0508 | 08 0508 | 03 0313 | 03 0313 | 04 0202 | 04 0202 |
| 08 0528 | 08 0528 | 03 0322 | 03 0322 | 04 0203 | 04 0203 |
| 08 0531 | 08 0531 | 03 0406 | 03 0406 | 04 0204 | 04 0204 |
| 08 0610 | 08 0610 | 03 0410 | 03 0410 | 04 0209 | 04 0209 |
| 08 0707 | 08 0707 | 03 0411 | 03 0411 | 04 0213 | 04 0213 |
| 08 0717 | 08 0717 | 03 0412 | 03 0412 | 04 0214 | 04 0214 |
| 08 0723 | 08 0723 | 03 0414 | 03 0414 | 04 0216 | 04 0216 |
| 08 0727 | 08 0727 | 03 0415 | 03 0415 | 04 0218 | 04 0218 |
| 08 0728 | 08 0728 | 03 0421 | 03 0421 | 04 0221 | 04 0221 |
| 08 0731 | 08 0731 | 03 0520 | 03 0520 | 04 0226 | 04 0226 |
| 08 0803 | 08 0803 | 03 0523 | 03 0523 | 04 0227 | 04 0227 |
| 08 0804 | 08 0804 | 03 0529 | 03 0529 | 04 0301 | 04 0301 |
| 08 0810 | 08 0810 | 03 0601 | 03 0601 | 04 0307 | 04 0307 |
| 08 0816 | 08 0816 | 03 0605 | 03 0605 | 04 0311 | 04 0311 |
| 08 0817 | 08 0817 | 03 0611 | 03 0611 | 04 0318 | 04 0318 |
| 08 0819 | 08 0819 | 03 0612 | 03 0612 | 04 0321 | 04 0321 |
| 08 0820 | 08 0820 | 03 0613 | 03 0613 | 04 0408 | 04 0408 |
| 08 0821 | 08 0821 | 03 0614 | 03 0614 | 04 0411 | 04 0411 |
| 08 0827 | 08 0827 | 03 0615 | 03 0615 | 04 0416 | 04 0416 |
| 08 0829 | 08 0829 | 03 0616 | 03 0616 | 04 0427 | 04 0427 |
| 08 0916 | 08 0916 | 03 0618 | 03 0618 | 04 0429 | 04 0429 |

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| 04 0503 | 04 0503 | 05 0327 | 05 0327 | 07 0917 | 07 0917 |
| 04 0509 | 04 0509 | 05 0328 | 05 0328 | 07 0926 | 07 0926 |
| 04 0510 | 04 0510 | 05 0329 | 05 0329 | 07 0928 | 07 0928 |
| 04 0511 | 04 0511 | 05 0414 | 05 0414 | 07 1001 | 07 1001 |
| 04 0517 | 04 0517 | 05 0529 | 05 0529 | 07 1022 | 07 1022 |
| 04 0519 | 04 0519 | 05 0615 | 05 0615 | 07 1025 | 07 1025 |
| 04 0610 | 04 0610 | 05 0627 | 05 0627 | 07 1029 | 07 1029 |
| 04 0613 | 04 0613 | 05 0817 | 05 0817 | 07 1030 | 07 1030 |
| 04 0618 | 04 0618 | 05 0818 | 05 0818 | 07 1031 | 07 1031 |
| 04 0622 | 04 0622 | 05 0821 | 05 0821 | 07 1101 | 07 1101 |
| 04 0628 | 04 0628 | 05 0911 | 05 0911 | 07 1106 | 07 1106 |
| 04 0702 | 04 0702 | 05 0917 | 05 0917 | 07 1108 | 07 1108 |
| 04 0705 | 04 0705 | 05 0930 | 05 0930 | 07 1112 | 07 1112 |
| 04 0707 | 04 0707 | 05 1215 | 05 1215 | 07 1119 | 07 1119 |
| 04 0708 | 04 0708 | 05 1219 | 05 1219 | 07 1121 | 07 1121 |
| 04 0717 | 04 0717 | 05 1221 | 05 1221 | 07 1211 | 07 1211 |
| 04 0718 | 04 0718 | 06 0217 | 06 0217 | 07 1214 | 07 1214 |
| 04 0807 | 04 0807 | 06 0219 | 06 0219 | 07 1220 | 07 1220 |
| 04 0810 | 04 0810 | 06 0401 | 06 0401 | 08 0301 | 08 0301 |
| 04 0816 | 04 0816 | 06 0412 | 06 0412 | 08 0512 | 08 0512 |
| 04 0827 | 04 0827 | 06 0508 | 06 0508 | 08 0515 | 08 0515 |
| 04 0829 | 04 0829 | 06 0509 | 06 0509 | 08 0606 | 08 0606 |
| 04 0909 | 04 0909 | 06 0603 | 06 0603 | 08 0607 | 08 0607 |
| 04 0911 | 04 0911 | 06 0617 | 06 0617 | 08 0618 | 08 0618 |
| 04 0912 | 04 0912 | 06 0618 | 06 0618 | 08 0624 | 08 0624 |
| 04 0913 | 04 0913 | 06 0619 | 06 0619 | 08 0701 | 08 0701 |
| 04 0918 | 04 0918 | 06 0621 | 06 0621 | 08 0705 | 08 0705 |
| 04 0920 | 04 0920 | 06 0623 | 06 0623 | 08 0715 | 08 0715 |
| 04 0922 | 04 0922 | 06 0722 | 06 0722 | 08 0722 | 08 0722 |
| 04 0926 | 04 0926 | 06 0729 | 06 0729 | 08 0801 | 08 0801 |
| 04 0929 | 04 0929 | 06 0801 | 06 0801 | 08 0806 | 08 0806 |
| 04 1009 | 04 1009 | 06 0810 | 06 0810 | 08 0902 | 08 0902 |
| 04 1012 | 04 1012 | 06 1003 | 06 1003 | 08 0926 | 08 0926 |
| 04 1022 | 04 1022 | 06 1017 | 06 1017 | 08 0927 | 08 0927 |
| 04 1026 | 04 1026 | 06 1019 | 06 1019 | 08 0928 | 08 0928 |
| 04 1030 | 04 1030 | 06 1020 | 06 1020 | 08 1005 | 08 1005 |
| 04 1103 | 04 1103 | 06 1028 | 06 1028 | 08 1009 | 08 1009 |
| 04 1116 | 04 1116 | 06 1113 | 06 1113 | 08 1010 | 08 1010 |
| 04 1121 | 04 1121 | 06 1117 | 06 1117 | 08 1012 | 08 1012 |
| 04 1123 | 04 1123 | 06 1226 | 06 1226 | 08 1013 | 08 1013 |
| 04 1124 | 04 1124 | 07 0212 | 07 0212 | 08 1014 | 08 1014 |
| 04 1125 | 04 1125 | 07 0301 | 07 0301 | 08 1024 | 08 1024 |
| 04 1201 | 04 1201 | 07 0321 | 07 0321 | 08 1118 | 08 1118 |
| 04 1204 | 04 1204 | 07 0326 | 07 0326 | 08 1204 | 08 1204 |
| 04 1205 | 04 1205 | 07 0412 | 07 0412 | 0.00 | 0.000 |
| 04 1206 | 04 1206 | 07 0516 | 07 0516 | 2080.00 | 155.274 |
| 04 1207 | 04 1207 | 07 0517 | 07 0517 | 2920.00 | 224.285 |
| 04 1217 | 04 1217 | 07 0522 | 07 0522 | 3670.00 | 288.119 |
| 04 1219 | 04 1219 | 07 0525 | 07 0525 | 4275.00 | 300.196 |
| 04 1221 | 04 1221 | 07 0527 | 07 0527 | 4820.00 | 297.608 |
| 04 1222 | 04 1222 | 07 0530 | 07 0530 | 6450.00 | 288.119 |
| 04 1223 | 04 1223 | 07 0607 | 07 0607 | 8450.00 | 271.729 |
| 04 1226 | 04 1226 | 07 0608 | 07 0608 | 10550.00 | 254.477 |
| 04 1227 | 04 1227 | 07 0712 | 07 0712 | 15000.00 | 215.658 |
| 04 1228 | 04 1228 | 07 0716 | 07 0716 | 38800.00 | 99.203 |
| 04 1231 | 04 1231 | 07 0719 | 07 0719 | 45000.00 | 86.263 |
| 05 0111 | 05 0111 | 07 0730 | 07 0730 | 100000.00 | 43.132 |
| 05 0118 | 05 0118 | 07 0801 | 07 0801 | 'CURVE10' | 165 13 0 0 |
| 05 0124 | 05 0124 | 07 0816 | 07 0816 | 03 0101 | 03 0101 |
| 05 0126 | 05 0126 | 07 0825 | 07 0825 | 03 0120 | 03 0120 |
| 05 0305 | 05 0305 | 07 0831 | 07 0831 | 03 0128 | 03 0128 |
| 05 0315 | 05 0315 | 07 0904 | 07 0904 | 03 0314 | 03 0314 |
| 05 0321 | 05 0321 | 07 0910 | 07 0910 | 03 0321 | 03 0321 |

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| 03 0413 | 03 0413 | 04 0606 | 04 0606 | 07 0222 | 07 0222 |
| 03 0522 | 03 0522 | 04 0607 | 04 0607 | 07 0320 | 07 0320 |
| 03 0525 | 03 0525 | 04 0608 | 04 0608 | 07 0322 | 07 0322 |
| 03 0526 | 03 0526 | 04 0609 | 04 0609 | 07 0408 | 07 0408 |
| 03 0528 | 03 0528 | 04 0611 | 04 0611 | 07 0409 | 07 0409 |
| 03 0603 | 03 0603 | 04 0612 | 04 0612 | 07 0524 | 07 0524 |
| 03 0608 | 03 0608 | 04 0619 | 04 0619 | 07 0529 | 07 0529 |
| 03 0609 | 03 0609 | 04 0620 | 04 0620 | 07 0603 | 07 0603 |
| 03 0617 | 03 0617 | 04 0625 | 04 0625 | 07 0717 | 07 0717 |
| 03 0621 | 03 0621 | 04 0627 | 04 0627 | 07 0826 | 07 0826 |
| 03 0627 | 03 0627 | 04 0629 | 04 0629 | 07 0909 | 07 0909 |
| 03 0702 | 03 0702 | 04 0701 | 04 0701 | 07 1021 | 07 1021 |
| 03 0703 | 03 0703 | 04 0709 | 04 0709 | 07 1026 | 07 1026 |
| 03 0714 | 03 0714 | 04 0711 | 04 0711 | 07 1109 | 07 1109 |
| 03 0718 | 03 0718 | 04 0713 | 04 0713 | 07 1210 | 07 1210 |
| 03 0729 | 03 0729 | 04 0720 | 04 0720 | 07 1221 | 07 1221 |
| 03 0828 | 03 0828 | 04 0721 | 04 0721 | 08 0327 | 08 0327 |
| 03 0913 | 03 0913 | 04 0722 | 04 0722 | 08 0513 | 08 0513 |
| 03 0923 | 03 0923 | 04 0727 | 04 0727 | 08 0514 | 08 0514 |
| 03 1015 | 03 1015 | 04 0812 | 04 0812 | 08 0529 | 08 0529 |
| 03 1016 | 03 1016 | 04 0814 | 04 0814 | 08 0611 | 08 0611 |
| 03 1019 | 03 1019 | 04 0819 | 04 0819 | 08 0614 | 08 0614 |
| 03 1024 | 03 1024 | 04 0906 | 04 0906 | 08 0626 | 08 0626 |
| 03 1025 | 03 1025 | 04 0916 | 04 0916 | 08 0628 | 08 0628 |
| 03 1103 | 03 1103 | 04 0917 | 04 0917 | 08 0702 | 08 0702 |
| 03 1108 | 03 1108 | 04 0919 | 04 0919 | 08 0724 | 08 0724 |
| 03 1111 | 03 1111 | 04 0921 | 04 0921 | 08 0809 | 08 0809 |
| 03 1113 | 03 1113 | 04 0925 | 04 0925 | 08 0812 | 08 0812 |
| 03 1118 | 03 1118 | 04 1006 | 04 1006 | 08 0825 | 08 0825 |
| 03 1126 | 03 1126 | 04 1025 | 04 1025 | 08 0925 | 08 0925 |
| 03 1210 | 03 1210 | 04 1105 | 04 1105 | 08 1008 | 08 1008 |
| 04 0129 | 04 0129 | 04 1117 | 04 1117 | 08 1015 | 08 1015 |
| 04 0130 | 04 0130 | 04 1120 | 04 1120 | 08 1016 | 08 1016 |
| 04 0222 | 04 0222 | 04 1122 | 04 1122 | 08 1028 | 08 1028 |
| 04 0223 | 04 0223 | 04 1126 | 04 1126 | 0.00 | 0.000 |
| 04 0228 | 04 0228 | 04 1130 | 04 1130 | 2080.00 | 149.384 |
| 04 0229 | 04 0229 | 05 0112 | 05 0112 | 2920.00 | 215.777 |
| 04 0302 | 04 0302 | 05 0113 | 05 0113 | 3670.00 | 277.191 |
| 04 0303 | 04 0303 | 05 0115 | 05 0115 | 4275.00 | 288.810 |
| 04 0305 | 04 0305 | 05 0122 | 05 0122 | 4820.00 | 286.320 |
| 04 0306 | 04 0306 | 05 0123 | 05 0123 | 6450.00 | 277.191 |
| 04 0308 | 04 0308 | 05 0203 | 05 0203 | 8450.00 | 261.423 |
| 04 0312 | 04 0312 | 05 0219 | 05 0219 | 10550.00 | 244.824 |
| 04 0313 | 04 0313 | 05 0223 | 05 0223 | 15000.00 | 207.478 |
| 04 0320 | 04 0320 | 05 0308 | 05 0308 | 38800.00 | 95.440 |
| 04 0322 | 04 0322 | 05 0310 | 05 0310 | 45000.00 | 82.991 |
| 04 0326 | 04 0326 | 05 0312 | 05 0312 | 100000.00 | 41.496 |
| 04 0328 | 04 0328 | 05 0530 | 05 0530 | 'CURVE11' | 107 13 0 0 |
| 04 0409 | 04 0409 | 05 0531 | 05 0531 | 03 0117 | 03 0117 |
| 04 0410 | 04 0410 | 05 0804 | 05 0804 | 03 0123 | 03 0123 |
| 04 0415 | 04 0415 | 05 0919 | 05 0919 | 03 0218 | 03 0218 |
| 04 0417 | 04 0417 | 06 0620 | 06 0620 | 03 0310 | 03 0310 |
| 04 0418 | 04 0418 | 06 0928 | 06 0928 | 03 0521 | 03 0521 |
| 04 0419 | 04 0419 | 06 1002 | 06 1002 | 03 0527 | 03 0527 |
| 04 0420 | 04 0420 | 06 1009 | 06 1009 | 03 0530 | 03 0530 |
| 04 0422 | 04 0422 | 06 1027 | 06 1027 | 03 0606 | 03 0606 |
| 04 0424 | 04 0424 | 06 1219 | 06 1219 | 03 0610 | 03 0610 |
| 04 0428 | 04 0428 | 06 1221 | 06 1221 | 03 0625 | 03 0625 |
| 04 0513 | 04 0513 | 07 0207 | 07 0207 | 03 0626 | 03 0626 |
| 04 0514 | 04 0514 | 07 0208 | 07 0208 | 03 0630 | 03 0630 |
| 04 0518 | 04 0518 | 07 0215 | 07 0215 | 03 0720 | 03 0720 |
| 04 0521 | 04 0521 | 07 0216 | 07 0216 | 03 0723 | 03 0723 |
| 04 0522 | 04 0522 | 07 0219 | 07 0219 | 03 0724 | 03 0724 |

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| 03 0731 | 03 0731 | 07 0213 | 07 0213 | 03 1114 | 03 1114 |
| 03 0810 | 03 0810 | 07 0220 | 07 0220 | 04 0210 | 04 0210 |
| 03 0811 | 03 0811 | 07 0221 | 07 0221 | 04 0211 | 04 0211 |
| 03 0921 | 03 0921 | 07 0223 | 07 0223 | 04 0515 | 04 0515 |
| 03 0922 | 03 0922 | 07 0226 | 07 0226 | 04 0710 | 04 0710 |
| 03 1020 | 03 1020 | 07 0227 | 07 0227 | 04 0715 | 04 0715 |
| 03 1021 | 03 1021 | 07 0228 | 07 0228 | 04 0728 | 04 0728 |
| 03 1022 | 03 1022 | 07 0305 | 07 0305 | 04 0731 | 04 0731 |
| 03 1023 | 03 1023 | 07 0306 | 07 0306 | 04 0803 | 04 0803 |
| 03 1026 | 03 1026 | 07 0307 | 07 0307 | 04 0811 | 04 0811 |
| 03 1027 | 03 1027 | 07 0308 | 07 0308 | 04 0815 | 04 0815 |
| 03 1109 | 03 1109 | 07 0319 | 07 0319 | 04 0820 | 04 0820 |
| 03 1110 | 03 1110 | 07 0327 | 07 0327 | 04 0821 | 04 0821 |
| 04 0131 | 04 0131 | 07 0410 | 07 0410 | 04 1014 | 04 1014 |
| 04 0207 | 04 0207 | 07 0611 | 07 0611 | 04 1017 | 04 1017 |
| 04 0215 | 04 0215 | 07 0710 | 07 0710 | 04 1019 | 04 1019 |
| 04 0217 | 04 0217 | 07 0718 | 07 0718 | 04 1106 | 04 1106 |
| 04 0219 | 04 0219 | 07 1114 | 07 1114 | 04 1108 | 04 1108 |
| 04 0309 | 04 0309 | 07 1217 | 07 1217 | 04 1110 | 04 1110 |
| 04 0316 | 04 0316 | 08 0104 | 08 0104 | 05 0114 | 05 0114 |
| 04 0317 | 04 0317 | 08 0308 | 08 0308 | 05 0125 | 05 0125 |
| 04 0319 | 04 0319 | 08 0517 | 08 0517 | 05 0127 | 05 0127 |
| 04 0323 | 04 0323 | 08 0703 | 08 0703 | 05 0128 | 05 0128 |
| 04 0327 | 04 0327 | 08 0704 | 08 0704 | 05 0129 | 05 0129 |
| 04 0414 | 04 0414 | 08 0811 | 08 0811 | 05 0130 | 05 0130 |
| 04 0421 | 04 0421 | 08 1025 | 08 1025 | 05 0131 | 05 0131 |
| 04 0423 | 04 0423 | 08 1027 | 08 1027 | 05 0201 | 05 0201 |
| 04 0426 | 04 0426 | 08 1212 | 08 1212 | 05 0519 | 05 0519 |
| 04 0502 | 04 0502 | 08 1221 | 08 1221 | 05 0701 | 05 0701 |
| 04 0505 | 04 0505 | 0.00 | 0.000 | 06 0423 | 06 0423 |
| 04 0507 | 04 0507 | 2080.00 | 145.539 | 06 0923 | 06 0923 |
| 04 0516 | 04 0516 | 2920.00 | 210.223 | 06 0924 | 06 0924 |
| 04 0523 | 04 0523 | 3670.00 | 270.056 | 06 1222 | 06 1222 |
| 04 0524 | 04 0524 | 4275.00 | 281.376 | 07 0209 | 07 0209 |
| 04 0614 | 04 0614 | 4820.00 | 278.950 | 07 0302 | 07 0302 |
| 04 0615 | 04 0615 | 6450.00 | 270.056 | 07 0309 | 07 0309 |
| 04 0623 | 04 0623 | 8450.00 | 254.693 | 07 0312 | 07 0312 |
| 04 0716 | 04 0716 | 10550.00 | 238.522 | 07 0627 | 07 0627 |
| 04 0723 | 04 0723 | 15000.00 | 202.138 | 07 0707 | 07 0707 |
| 04 0724 | 04 0724 | 38800.00 | 92.983 | 07 0729 | 07 0729 |
| 04 0725 | 04 0725 | 45000.00 | 80.855 | 07 1206 | 07 1206 |
| 04 0809 | 04 0809 | 100000.00 | 40.428 | 08 0518 | 08 0518 |
| 04 0818 | 04 0818 | 'CURVE12' | 071 13 0 0 | 08 0530 | 08 0530 |
| 04 0915 | 04 0915 | 03 0201 | 03 0201 | 08 0602 | 08 0602 |
| 04 1018 | 04 1018 | 03 0213 | 03 0213 | 08 0603 | 08 0603 |
| 04 1021 | 04 1021 | 03 0405 | 03 0405 | 08 0604 | 08 0604 |
| 04 1023 | 04 1023 | 03 0705 | 03 0705 | 08 0605 | 08 0605 |
| 04 1024 | 04 1024 | 03 0716 | 03 0716 | 08 0608 | 08 0608 |
| 04 1028 | 04 1028 | 03 0719 | 03 0719 | 08 0609 | 08 0609 |
| 04 1029 | 04 1029 | 03 0725 | 03 0725 | 08 1220 | 08 1220 |
| 04 1107 | 04 1107 | 03 0801 | 03 0801 | 08 1231 | 08 1231 |
| 05 0110 | 05 0110 | 03 0807 | 03 0807 | 0.00 | 0.000 |
| 05 0119 | 05 0119 | 03 0818 | 03 0818 | 2080.00 | 135.330 |
| 05 0120 | 05 0120 | 03 0819 | 03 0819 | 2920.00 | 195.477 |
| 05 0202 | 05 0202 | 03 0820 | 03 0820 | 3670.00 | 251.112 |
| 05 0520 | 05 0520 | 03 0821 | 03 0821 | 4275.00 | 261.638 |
| 06 0318 | 06 0318 | 03 0822 | 03 0822 | 4820.00 | 259.382 |
| 06 0330 | 06 0330 | 03 0823 | 03 0823 | 6450.00 | 251.112 |
| 06 0703 | 06 0703 | 03 0907 | 03 0907 | 8450.00 | 236.827 |
| 06 0819 | 06 0819 | 03 0915 | 03 0915 | 10550.00 | 221.791 |
| 06 1005 | 06 1005 | 03 0928 | 03 0928 | 15000.00 | 187.958 |
| 06 1010 | 06 1010 | 03 1013 | 03 1013 | 38800.00 | 86.461 |
| 06 1011 | 06 1011 | 03 1014 | 03 1014 | 45000.00 | 75.183 |

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| 100000.00 37.592 | 6450.00 162.051 | 100000.00 13.393 |
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| 03 0711 03 0711 | 15000.00 121.296 | 2080.00 35.548 |
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| 04 0825 04 0825 | 100000.00 24.259 | 4275.00 68.725 |
| 04 0830 04 0830 | 'CURVE16' 000 13 0 0 | 4820.00 68.133 |
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| 06 0916 06 0916 | 2080.00 75.370 | 8450.00 62.208 |
| 06 0929 06 0929 | 2920.00 108.868 | 10550.00 58.258 |
| 07 0313 07 0313 | 3670.00 139.853 | 15000.00 49.372 |
| 07 0314 07 0314 | 4275.00 145.716 | 38800.00 22.711 |
| 07 0316 07 0316 | 4820.00 144.459 | 45000.00 19.749 |
| 07 0528 07 0528 | 6450.00 139.853 | 100000.00 9.874 |
| 07 1102 07 1102 | 8450.00 131.898 | |
| 08 0516 08 0516 | 10550.00 123.523 | |
| 08 0601 08 0601 | 15000.00 104.681 | |
| 08 0627 08 0627 | 38800.00 48.153 | |
| 08 1023 08 1023 | 45000.00 41.872 | |
| 0.00 0.000 | 100000.00 20.936 | |
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| 38800.00 75.908 | 10550.00 106.796 | |
| 45000.00 66.007 | 15000.00 90.505 | |
| 100000.00 33.003 | 38800.00 41.632 | |
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| 03 0709 03 0709 | 100000.00 18.101 | |
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| 04 0802 04 0802 | 0.00 0.000 | |
| 04 0822 04 0822 | 2080.00 54.872 | |
| 04 0823 04 0823 | 2920.00 79.259 | |
| 04 0824 04 0824 | 3670.00 101.818 | |
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| 2080.00 101.096 | 6450.00 101.818 | |
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| 8450.00 176.919 | 100000.00 15.242 | |
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| 38800.00 64.589 | 0.00 0.000 | |
| 45000.00 56.165 | 2080.00 48.215 | |
| 100000.00 28.082 | 2920.00 69.644 | |
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| 2920.00 126.147 | 10550.00 79.019 | |
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| 4820.00 167.388 | 45000.00 26.786 | |

HWBEG Input File for Hudson Falls

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 1
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
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07 0413 07 0413 | 08 0127 08 0127 | 100000.00 1155.818
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07 0524 07 0524 | 08 0201 08 0201 | 03 0211 03 0211
07 0527 07 0527 | 08 0210 08 0210 | 03 0216 03 0216
07 0605 07 0605 | 08 0211 08 0211 | 03 0220 03 0220
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| 03 0511 | 03 0511 | 05 1217 | 05 1217 | 06 0415 | 06 0415 |
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| 03 0622 | 03 0622 | 05 1221 | 05 1221 | 06 0420 | 06 0420 |
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| 04 0604 | 04 0604 | 06 0104 | 06 0104 | 06 0726 | 06 0726 |
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| 05 0510 | 05 0510 | 06 0212 | 06 0212 | 06 0829 | 06 0829 |
| 05 0511 | 05 0511 | 06 0214 | 06 0214 | 06 0830 | 06 0830 |
| 05 0513 | 05 0513 | 06 0216 | 06 0216 | 06 0902 | 06 0902 |
| 05 0515 | 05 0515 | 06 0219 | 06 0219 | 06 0904 | 06 0904 |
| 05 0518 | 05 0518 | 06 0222 | 06 0222 | 06 0906 | 06 0906 |
| 05 0519 | 05 0519 | 06 0224 | 06 0224 | 06 0907 | 06 0907 |
| 05 0525 | 05 0525 | 06 0225 | 06 0225 | 06 0908 | 06 0908 |
| 05 0527 | 05 0527 | 06 0226 | 06 0226 | 06 1010 | 06 1010 |
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| 05 0717 | 05 0717 | 06 0326 | 06 0326 | 07 0520 | 07 0520 |
| 05 0718 | 05 0718 | 06 0327 | 06 0327 | 07 0526 | 07 0526 |
| 05 0721 | 05 0721 | 06 0328 | 06 0328 | 07 0601 | 07 0601 |
| 05 0730 | 05 0730 | 06 0329 | 06 0329 | 07 0604 | 07 0604 |
| 05 0904 | 05 0904 | 06 0330 | 06 0330 | 07 0607 | 07 0607 |
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| 08 0128 | 08 0128 | 03 0121 | 03 0121 | 05 0116 | 05 0116 |
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| 08 0203 | 08 0203 | 03 0221 | 03 0221 | 05 0512 | 05 0512 |
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| 08 0205 | 08 0205 | 03 0309 | 03 0309 | 05 0524 | 05 0524 |
| 08 0206 | 08 0206 | 03 0320 | 03 0320 | 05 0526 | 05 0526 |
| 08 0207 | 08 0207 | 03 0420 | 03 0420 | 05 0601 | 05 0601 |
| 08 0208 | 08 0208 | 03 0423 | 03 0423 | 05 0602 | 05 0602 |
| 08 0209 | 08 0209 | 03 0507 | 03 0507 | 05 0605 | 05 0605 |
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| 08 0221 | 08 0221 | 03 0606 | 03 0606 | 05 0618 | 05 0618 |
| 08 0222 | 08 0222 | 03 0607 | 03 0607 | 05 0624 | 05 0624 |
| 08 0223 | 08 0223 | 03 0608 | 03 0608 | 05 0630 | 05 0630 |
| 08 0224 | 08 0224 | 03 0609 | 03 0609 | 05 0702 | 05 0702 |
| 08 0225 | 08 0225 | 03 0610 | 03 0610 | 05 0704 | 05 0704 |
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| 08 0312 | 08 0312 | 03 1213 | 03 1213 | 05 0728 | 05 0728 |
| 08 0313 | 08 0313 | 03 1214 | 03 1214 | 05 0729 | 05 0729 |
| 08 0316 | 08 0316 | 03 1217 | 03 1217 | 05 0802 | 05 0802 |
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| 08 1213 | 08 1213 | 04 0608 | 04 0608 | 05 1019 | 05 1019 |
| 08 1216 | 08 1216 | 04 0609 | 04 0609 | 05 1020 | 05 1020 |
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| 8248.00 | 959.339 | 04 1230 | 04 1230 | 05 1129 | 05 1129 |

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| 05 1213 | 05 1213 | 06 0803 | 06 0803 | 07 0920 | 07 0920 |
| 05 1215 | 05 1215 | 06 0804 | 06 0804 | 07 0921 | 07 0921 |
| 05 1218 | 05 1218 | 06 0808 | 06 0808 | 07 1024 | 07 1024 |
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| 06 0117 | 06 0117 | 06 0824 | 06 0824 | 08 0212 | 08 0212 |
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| 06 0127 | 06 0127 | 06 1014 | 06 1014 | 08 0314 | 08 0314 |
| 06 0128 | 06 0128 | 06 1016 | 06 1016 | 08 0315 | 08 0315 |
| 06 0131 | 06 0131 | 06 1017 | 06 1017 | 08 0317 | 08 0317 |
| 06 0201 | 06 0201 | 06 1024 | 06 1024 | 08 0322 | 08 0322 |
| 06 0204 | 06 0204 | 06 1104 | 06 1104 | 08 0330 | 08 0330 |
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| 06 0215 | 06 0215 | 06 1126 | 06 1126 | 08 0403 | 08 0403 |
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| 06 0317 | 06 0317 | 06 1214 | 06 1214 | 08 0606 | 08 0606 |
| 06 0405 | 06 0405 | 06 1215 | 06 1215 | 08 0607 | 08 0607 |
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| 03 0217 | 03 0217 | 04 0529 | 04 0529 | 05 0413 | 05 0413 |
| 03 0222 | 03 0222 | 04 0610 | 04 0610 | 05 0415 | 05 0415 |
| 03 0302 | 03 0302 | 04 0611 | 04 0611 | 05 0416 | 05 0416 |
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| 03 0318 | 03 0318 | 04 0819 | 04 0819 | 05 0418 | 05 0418 |
| 03 0330 | 03 0330 | 04 0820 | 04 0820 | 05 0419 | 05 0419 |
| 03 0402 | 03 0402 | 04 0825 | 04 0825 | 05 0420 | 05 0420 |
| 03 0409 | 03 0409 | 04 0826 | 04 0826 | 05 0421 | 05 0421 |
| 03 0418 | 03 0418 | 04 0904 | 04 0904 | 05 0422 | 05 0422 |
| 03 0421 | 03 0421 | 04 0911 | 04 0911 | 05 0427 | 05 0427 |
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| 03 0426 | 03 0426 | 04 0913 | 04 0913 | 05 0430 | 05 0430 |
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| 03 0517 | 03 0517 | 04 1022 | 04 1022 | 05 0507 | 05 0507 |
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| 04 0815 | 04 0815 | 05 0825 | 05 0825 | 07 0129 | 07 0129 |
| 04 0818 | 04 0818 | 05 0826 | 05 0826 | 07 0202 | 07 0202 |
| 04 0828 | 04 0828 | 05 0908 | 05 0908 | 07 0206 | 07 0206 |
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| 04 1209 | 04 1209 | 06 0119 | 06 0119 | 07 0516 | 07 0516 |
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| 04 1220 | 04 1220 | 06 0403 | 06 0403 | 07 0906 | 07 0906 |
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| 05 0320 | 05 0320 | 06 1105 | 06 1105 | 07 1007 | 07 1007 |
| 05 0321 | 05 0321 | 06 1115 | 06 1115 | 07 1008 | 07 1008 |
| 05 0323 | 05 0323 | 06 1116 | 06 1116 | 07 1009 | 07 1009 |

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| 07 1010 | 07 1010 | 08 0831 | 08 0831 | 03 0713 | 03 0713 |
| 07 1013 | 07 1013 | 08 0902 | 08 0902 | 03 0720 | 03 0720 |
| 07 1014 | 07 1014 | 08 0903 | 08 0903 | 03 0731 | 03 0731 |
| 07 1017 | 07 1017 | 08 0907 | 08 0907 | 03 0804 | 03 0804 |
| 07 1020 | 07 1020 | 08 0915 | 08 0915 | 03 0806 | 03 0806 |
| 07 1022 | 07 1022 | 08 0916 | 08 0916 | 03 0807 | 03 0807 |
| 07 1023 | 07 1023 | 08 0918 | 08 0918 | 03 0808 | 03 0808 |
| 07 1025 | 07 1025 | 08 0919 | 08 0919 | 03 0823 | 03 0823 |
| 07 1026 | 07 1026 | 08 0923 | 08 0923 | 03 0824 | 03 0824 |
| 07 1027 | 07 1027 | 08 0924 | 08 0924 | 03 0825 | 03 0825 |
| 07 1028 | 07 1028 | 08 0925 | 08 0925 | 03 0909 | 03 0909 |
| 07 1031 | 07 1031 | 08 0926 | 08 0926 | 03 0912 | 03 0912 |
| 07 1103 | 07 1103 | 08 0928 | 08 0928 | 03 0913 | 03 0913 |
| 07 1105 | 07 1105 | 08 0929 | 08 0929 | 03 0914 | 03 0914 |
| 07 1106 | 07 1106 | 08 1002 | 08 1002 | 03 0916 | 03 0916 |
| 07 1108 | 07 1108 | 08 1005 | 08 1005 | 03 1018 | 03 1018 |
| 07 1110 | 07 1110 | 08 1010 | 08 1010 | 03 1022 | 03 1022 |
| 07 1112 | 07 1112 | 08 1012 | 08 1012 | 03 1027 | 03 1027 |
| 07 1113 | 07 1113 | 08 1013 | 08 1013 | 03 1114 | 03 1114 |
| 07 1114 | 07 1114 | 08 1014 | 08 1014 | 03 1122 | 03 1122 |
| 07 1123 | 07 1123 | 08 1031 | 08 1031 | 03 1203 | 03 1203 |
| 07 1124 | 07 1124 | 08 1101 | 08 1101 | 03 1230 | 03 1230 |
| 07 1125 | 07 1125 | 08 1106 | 08 1106 | 04 0113 | 04 0113 |
| 07 1210 | 07 1210 | 08 1107 | 08 1107 | 04 0207 | 04 0207 |
| 07 1213 | 07 1213 | 08 1110 | 08 1110 | 04 0209 | 04 0209 |
| 07 1214 | 07 1214 | 08 1112 | 08 1112 | 04 0211 | 04 0211 |
| 07 1218 | 07 1218 | 08 1114 | 08 1114 | 04 0213 | 04 0213 |
| 07 1229 | 07 1229 | 08 1121 | 08 1121 | 04 0215 | 04 0215 |
| 07 1231 | 07 1231 | 08 1125 | 08 1125 | 04 0217 | 04 0217 |
| 08 0310 | 08 0310 | 08 1208 | 08 1208 | 04 0219 | 04 0219 |
| 08 0402 | 08 0402 | 08 1209 | 08 1209 | 04 0222 | 04 0222 |
| 08 0422 | 08 0422 | 08 1219 | 08 1219 | 04 0223 | 04 0223 |
| 08 0429 | 08 0429 | 08 1230 | 08 1230 | 04 0224 | 04 0224 |
| 08 0501 | 08 0501 | 0.00 | 0.000 | 04 0225 | 04 0225 |
| 08 0522 | 08 0522 | 2080.00 | 244.988 | 04 0226 | 04 0226 |
| 08 0527 | 08 0527 | 4306.00 | 469.284 | 04 0227 | 04 0227 |
| 08 0530 | 08 0530 | 6029.00 | 686.540 | 04 0228 | 04 0228 |
| 08 0531 | 08 0531 | 7220.00 | 787.125 | 04 0229 | 04 0229 |
| 08 0601 | 08 0601 | 8248.00 | 898.177 | 04 0301 | 04 0301 |
| 08 0603 | 08 0603 | 8800.00 | 915.081 | 04 0302 | 04 0302 |
| 08 0616 | 08 0616 | 10000.00 | 1001.022 | 04 0303 | 04 0303 |
| 08 0618 | 08 0618 | 12500.00 | 1032.804 | 04 0304 | 04 0304 |
| 08 0619 | 08 0619 | 15000.00 | 986.822 | 04 0305 | 04 0305 |
| 08 0622 | 08 0622 | 38800.00 | 1029.509 | 04 0309 | 04 0309 |
| 08 0625 | 08 0625 | 45000.00 | 1020.411 | 04 0316 | 04 0316 |
| 08 0626 | 08 0626 | 100000.00 | 1020.411 | 04 0318 | 04 0318 |
| 08 0627 | 08 0627 | 'CURVE07' | 273 13 0 0 | 04 0320 | 04 0320 |
| 08 0704 | 08 0704 | 03 0114 | 03 0114 | 04 0322 | 04 0322 |
| 08 0705 | 08 0705 | 03 0119 | 03 0119 | 04 0323 | 04 0323 |
| 08 0706 | 08 0706 | 03 0208 | 03 0208 | 04 0326 | 04 0326 |
| 08 0709 | 08 0709 | 03 0214 | 03 0214 | 04 0328 | 04 0328 |
| 08 0721 | 08 0721 | 03 0317 | 03 0317 | 04 0404 | 04 0404 |
| 08 0808 | 08 0808 | 03 0325 | 03 0325 | 04 0411 | 04 0411 |
| 08 0809 | 08 0809 | 03 0328 | 03 0328 | 04 0414 | 04 0414 |
| 08 0810 | 08 0810 | 03 0406 | 03 0406 | 04 0423 | 04 0423 |
| 08 0811 | 08 0811 | 03 0413 | 03 0413 | 04 0427 | 04 0427 |
| 08 0812 | 08 0812 | 03 0627 | 03 0627 | 04 0429 | 04 0429 |
| 08 0816 | 08 0816 | 03 0628 | 03 0628 | 04 0503 | 04 0503 |
| 08 0817 | 08 0817 | 03 0630 | 03 0630 | 04 0505 | 04 0505 |
| 08 0820 | 08 0820 | 03 0703 | 03 0703 | 04 0506 | 04 0506 |
| 08 0823 | 08 0823 | 03 0705 | 03 0705 | 04 0507 | 04 0507 |
| 08 0824 | 08 0824 | 03 0708 | 03 0708 | 04 0508 | 04 0508 |
| 08 0825 | 08 0825 | 03 0709 | 03 0709 | 04 0509 | 04 0509 |

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|---------|---------|---------|---------|---------|---------|
| 04 0510 | 04 0510 | 05 1122 | 05 1122 | 07 0818 | 07 0818 |
| 04 0512 | 04 0512 | 05 1201 | 05 1201 | 07 0819 | 07 0819 |
| 04 0513 | 04 0513 | 05 1203 | 05 1203 | 07 0821 | 07 0821 |
| 04 0514 | 04 0514 | 05 1204 | 05 1204 | 07 0823 | 07 0823 |
| 04 0516 | 04 0516 | 06 0206 | 06 0206 | 07 0825 | 07 0825 |
| 04 0517 | 04 0517 | 06 0603 | 06 0603 | 07 0826 | 07 0826 |
| 04 0518 | 04 0518 | 06 0701 | 06 0701 | 07 0830 | 07 0830 |
| 04 0520 | 04 0520 | 06 0702 | 06 0702 | 07 0909 | 07 0909 |
| 04 0522 | 04 0522 | 06 0709 | 06 0709 | 07 1001 | 07 1001 |
| 04 0617 | 04 0617 | 06 0710 | 06 0710 | 07 1004 | 07 1004 |
| 04 0618 | 04 0618 | 06 0713 | 06 0713 | 07 1019 | 07 1019 |
| 04 0619 | 04 0619 | 06 0716 | 06 0716 | 07 1021 | 07 1021 |
| 04 0620 | 04 0620 | 06 0919 | 06 0919 | 07 1029 | 07 1029 |
| 04 0624 | 04 0624 | 06 0925 | 06 0925 | 07 1030 | 07 1030 |
| 04 0626 | 04 0626 | 06 1002 | 06 1002 | 07 1101 | 07 1101 |
| 04 0628 | 04 0628 | 06 1006 | 06 1006 | 07 1104 | 07 1104 |
| 04 0630 | 04 0630 | 06 1023 | 06 1023 | 07 1109 | 07 1109 |
| 04 0701 | 04 0701 | 06 1027 | 06 1027 | 07 1111 | 07 1111 |
| 04 0708 | 04 0708 | 06 1102 | 06 1102 | 07 1115 | 07 1115 |
| 04 0709 | 04 0709 | 06 1113 | 06 1113 | 07 1116 | 07 1116 |
| 04 0710 | 04 0710 | 07 0111 | 07 0111 | 07 1117 | 07 1117 |
| 04 0711 | 04 0711 | 07 0112 | 07 0112 | 07 1120 | 07 1120 |
| 04 0712 | 04 0712 | 07 0118 | 07 0118 | 07 1121 | 07 1121 |
| 04 0713 | 04 0713 | 07 0119 | 07 0119 | 07 1122 | 07 1122 |
| 04 0714 | 04 0714 | 07 0125 | 07 0125 | 07 1217 | 07 1217 |
| 04 0715 | 04 0715 | 07 0126 | 07 0126 | 08 0104 | 08 0104 |
| 04 0808 | 04 0808 | 07 0128 | 07 0128 | 08 0113 | 08 0113 |
| 04 0824 | 04 0824 | 07 0417 | 07 0417 | 08 0411 | 08 0411 |
| 04 0830 | 04 0830 | 07 0507 | 07 0507 | 08 0505 | 08 0505 |
| 04 0915 | 04 0915 | 07 0517 | 07 0517 | 08 0517 | 08 0517 |
| 04 0928 | 04 0928 | 07 0620 | 07 0620 | 08 0521 | 08 0521 |
| 04 0929 | 04 0929 | 07 0622 | 07 0622 | 08 0605 | 08 0605 |
| 04 1007 | 04 1007 | 07 0628 | 07 0628 | 08 0628 | 08 0628 |
| 04 1008 | 04 1008 | 07 0629 | 07 0629 | 08 0701 | 08 0701 |
| 04 1009 | 04 1009 | 07 0703 | 07 0703 | 08 0703 | 08 0703 |
| 04 1010 | 04 1010 | 07 0704 | 07 0704 | 08 0707 | 08 0707 |
| 04 1011 | 04 1011 | 07 0705 | 07 0705 | 08 0708 | 08 0708 |
| 04 1015 | 04 1015 | 07 0706 | 07 0706 | 08 0710 | 08 0710 |
| 04 1016 | 04 1016 | 07 0707 | 07 0707 | 08 0712 | 08 0712 |
| 04 1020 | 04 1020 | 07 0708 | 07 0708 | 08 0713 | 08 0713 |
| 04 1030 | 04 1030 | 07 0712 | 07 0712 | 08 0717 | 08 0717 |
| 04 1031 | 04 1031 | 07 0713 | 07 0713 | 08 0719 | 08 0719 |
| 04 1103 | 04 1103 | 07 0714 | 07 0714 | 08 0720 | 08 0720 |
| 04 1111 | 04 1111 | 07 0715 | 07 0715 | 08 0807 | 08 0807 |
| 04 1123 | 04 1123 | 07 0716 | 07 0716 | 08 0819 | 08 0819 |
| 04 1201 | 04 1201 | 07 0717 | 07 0717 | 08 0906 | 08 0906 |
| 04 1202 | 04 1202 | 07 0719 | 07 0719 | 08 0912 | 08 0912 |
| 04 1211 | 04 1211 | 07 0720 | 07 0720 | 08 0914 | 08 0914 |
| 04 1224 | 04 1224 | 07 0721 | 07 0721 | 08 0927 | 08 0927 |
| 05 0322 | 05 0322 | 07 0725 | 07 0725 | 08 0930 | 08 0930 |
| 05 0325 | 05 0325 | 07 0727 | 07 0727 | 08 1003 | 08 1003 |
| 05 0326 | 05 0326 | 07 0728 | 07 0728 | 08 1004 | 08 1004 |
| 05 0327 | 05 0327 | 07 0730 | 07 0730 | 08 1006 | 08 1006 |
| 05 0328 | 05 0328 | 07 0731 | 07 0731 | 08 1007 | 08 1007 |
| 05 0522 | 05 0522 | 07 0802 | 07 0802 | 08 1008 | 08 1008 |
| 05 1010 | 05 1010 | 07 0803 | 07 0803 | 08 1009 | 08 1009 |
| 05 1015 | 05 1015 | 07 0805 | 07 0805 | 08 1011 | 08 1011 |
| 05 1023 | 05 1023 | 07 0807 | 07 0807 | 08 1015 | 08 1015 |
| 05 1024 | 05 1024 | 07 0809 | 07 0809 | 08 1016 | 08 1016 |
| 05 1025 | 05 1025 | 07 0811 | 07 0811 | 08 1017 | 08 1017 |
| 05 1101 | 05 1101 | 07 0812 | 07 0812 | 08 1018 | 08 1018 |
| 05 1106 | 05 1106 | 07 0813 | 07 0813 | 08 1019 | 08 1019 |
| 05 1116 | 05 1116 | 07 0817 | 07 0817 | 08 1020 | 08 1020 |

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| 08 1023 | 08 1023 | 03 1229 | 03 1229 | 07 0723 | 07 0723 |
| 08 1025 | 08 1025 | 04 0123 | 04 0123 | 07 0724 | 07 0724 |
| 08 1111 | 08 1111 | 04 0210 | 04 0210 | 07 0814 | 07 0814 |
| 08 1113 | 08 1113 | 04 0327 | 04 0327 | 07 0815 | 07 0815 |
| 08 1120 | 08 1120 | 04 0426 | 04 0426 | 07 0816 | 07 0816 |
| 0.00 | 0.000 | 04 0502 | 04 0502 | 07 0822 | 07 0822 |
| 2080.00 | 238.797 | 04 0504 | 04 0504 | 07 0824 | 07 0824 |
| 4306.00 | 457.424 | 04 0511 | 04 0511 | 07 1118 | 07 1118 |
| 6029.00 | 669.190 | 04 0519 | 04 0519 | 07 1119 | 07 1119 |
| 7220.00 | 767.233 | 04 0521 | 04 0521 | 08 0112 | 08 0112 |
| 8248.00 | 875.479 | 04 0621 | 04 0621 | 08 0507 | 08 0507 |
| 8800.00 | 891.955 | 04 0623 | 04 0623 | 08 0623 | 08 0623 |
| 10000.00 | 975.725 | 04 0627 | 04 0627 | 08 0624 | 08 0624 |
| 12500.00 | 1006.703 | 04 0629 | 04 0629 | 08 0629 | 08 0629 |
| 15000.00 | 961.883 | 04 0702 | 04 0702 | 08 0718 | 08 0718 |
| 38800.00 | 1003.492 | 04 0703 | 04 0703 | 08 0803 | 08 0803 |
| 45000.00 | 994.624 | 04 0704 | 04 0704 | 08 0910 | 08 0910 |
| 100000.00 | 994.624 | 04 0705 | 04 0705 | 08 1001 | 08 1001 |
| 'CURVE08' | 131 13 0 0 | 04 0706 | 04 0706 | 08 1021 | 08 1021 |
| 03 0117 | 03 0117 | 04 0707 | 04 0707 | 08 1022 | 08 1022 |
| 03 0120 | 03 0120 | 04 0813 | 04 0813 | 08 1024 | 08 1024 |
| 03 0126 | 03 0126 | 04 0901 | 04 0901 | 08 1030 | 08 1030 |
| 03 0201 | 03 0201 | 04 0906 | 04 0906 | 08 1109 | 08 1109 |
| 03 0206 | 03 0206 | 04 0930 | 04 0930 | 08 1221 | 08 1221 |
| 03 0210 | 03 0210 | 04 1012 | 04 1012 | 0.00 | 0.000 |
| 03 0218 | 03 0218 | 04 1013 | 04 1013 | 2080.00 | 232.159 |
| 03 0324 | 03 0324 | 04 1014 | 04 1014 | 4306.00 | 444.710 |
| 03 0401 | 03 0401 | 04 1017 | 04 1017 | 6029.00 | 650.590 |
| 03 0416 | 03 0416 | 04 1019 | 04 1019 | 7220.00 | 745.908 |
| 03 0701 | 03 0701 | 04 1024 | 04 1024 | 8248.00 | 851.145 |
| 03 0704 | 03 0704 | 04 1026 | 04 1026 | 8800.00 | 867.164 |
| 03 0706 | 03 0706 | 04 1027 | 04 1027 | 10000.00 | 948.605 |
| 03 0707 | 03 0707 | 04 1101 | 04 1101 | 12500.00 | 978.722 |
| 03 0711 | 03 0711 | 04 1102 | 04 1102 | 15000.00 | 935.148 |
| 03 0715 | 03 0715 | 05 0119 | 05 0119 | 38800.00 | 975.600 |
| 03 0719 | 03 0719 | 05 0120 | 05 0120 | 45000.00 | 966.979 |
| 03 0721 | 03 0721 | 05 0122 | 05 0122 | 100000.00 | 966.979 |
| 03 0722 | 03 0722 | 05 0126 | 05 0126 | 'CURVE09' | 072 13 0 0 |
| 03 0726 | 03 0726 | 05 0202 | 05 0202 | 03 0123 | 03 0123 |
| 03 0728 | 03 0728 | 05 1016 | 05 1016 | 03 0125 | 03 0125 |
| 03 0729 | 03 0729 | 05 1110 | 05 1110 | 03 0127 | 03 0127 |
| 03 0802 | 03 0802 | 06 0118 | 06 0118 | 03 0128 | 03 0128 |
| 03 0805 | 03 0805 | 06 0602 | 06 0602 | 03 0213 | 03 0213 |
| 03 0810 | 03 0810 | 06 0620 | 06 0620 | 03 0215 | 03 0215 |
| 03 0820 | 03 0820 | 06 0630 | 06 0630 | 03 0307 | 03 0307 |
| 03 0821 | 03 0821 | 06 0706 | 06 0706 | 03 0326 | 03 0326 |
| 03 0828 | 03 0828 | 06 0708 | 06 0708 | 03 0716 | 03 0716 |
| 03 0829 | 03 0829 | 06 0723 | 06 0723 | 03 0723 | 03 0723 |
| 03 0831 | 03 0831 | 06 1001 | 06 1001 | 03 0725 | 03 0725 |
| 03 0901 | 03 0901 | 06 1005 | 06 1005 | 03 0730 | 03 0730 |
| 03 0902 | 03 0902 | 06 1114 | 06 1114 | 03 0809 | 03 0809 |
| 03 0904 | 03 0904 | 06 1124 | 06 1124 | 03 0819 | 03 0819 |
| 03 0907 | 03 0907 | 07 0117 | 07 0117 | 03 0822 | 03 0822 |
| 03 0908 | 03 0908 | 07 0120 | 07 0120 | 03 0826 | 03 0826 |
| 03 0911 | 03 0911 | 07 0124 | 07 0124 | 03 0827 | 03 0827 |
| 03 0921 | 03 0921 | 07 0215 | 07 0215 | 03 0905 | 03 0905 |
| 03 0925 | 03 0925 | 07 0309 | 07 0309 | 03 0915 | 03 0915 |
| 03 0926 | 03 0926 | 07 0504 | 07 0504 | 03 0917 | 03 0917 |
| 03 0927 | 03 0927 | 07 0513 | 07 0513 | 03 0922 | 03 0922 |
| 03 1030 | 03 1030 | 07 0621 | 07 0621 | 03 0923 | 03 0923 |
| 03 1120 | 03 1120 | 07 0627 | 07 0627 | 03 1003 | 03 1003 |
| 03 1121 | 03 1121 | 07 0711 | 07 0711 | 03 1004 | 03 1004 |
| 03 1228 | 03 1228 | 07 0718 | 07 0718 | 03 1025 | 03 1025 |

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| 03 1102 | 03 1102 | 03 0801 | 03 0801 | 03 0811 | 03 0811 |
| 03 1227 | 03 1227 | 03 0818 | 03 0818 | 03 0919 | 03 0919 |
| 04 0111 | 04 0111 | 03 0928 | 03 0928 | 03 0929 | 03 0929 |
| 04 0127 | 04 0127 | 03 0930 | 03 0930 | 03 1006 | 03 1006 |
| 04 0313 | 04 0313 | 03 1001 | 03 1001 | 03 1009 | 03 1009 |
| 04 0325 | 04 0325 | 03 1002 | 03 1002 | 03 1015 | 03 1015 |
| 04 0413 | 04 0413 | 03 1005 | 03 1005 | 03 1016 | 03 1016 |
| 04 0528 | 04 0528 | 03 1007 | 03 1007 | 03 1103 | 03 1103 |
| 04 0919 | 04 0919 | 03 1008 | 03 1008 | 03 1126 | 03 1126 |
| 04 0927 | 04 0927 | 03 1010 | 03 1010 | 04 0126 | 04 0126 |
| 04 1006 | 04 1006 | 03 1011 | 03 1011 | 05 0123 | 05 0123 |
| 04 1018 | 04 1018 | 03 1012 | 03 1012 | 05 0127 | 05 0127 |
| 04 1028 | 04 1028 | 03 1013 | 03 1013 | 05 0128 | 05 0128 |
| 04 1029 | 04 1029 | 03 1029 | 03 1029 | 05 0830 | 05 0830 |
| 04 1112 | 04 1112 | 04 0523 | 04 0523 | 06 1019 | 06 1019 |
| 04 1228 | 04 1228 | 04 0524 | 04 0524 | 06 1021 | 06 1021 |
| 05 0125 | 05 0125 | 05 0124 | 05 0124 | 06 1028 | 06 1028 |
| 05 0131 | 05 0131 | 05 0129 | 05 0129 | 07 0110 | 07 0110 |
| 05 0201 | 05 0201 | 05 0130 | 05 0130 | 07 0820 | 07 0820 |
| 05 0404 | 05 0404 | 05 0403 | 05 0403 | 08 0121 | 08 0121 |
| 05 1027 | 05 1027 | 05 0708 | 05 0708 | 08 0308 | 08 0308 |
| 05 1031 | 05 1031 | 05 0804 | 05 0804 | 08 0804 | 08 0804 |
| 05 1108 | 05 1108 | 05 0829 | 05 0829 | 08 1026 | 08 1026 |
| 05 1109 | 05 1109 | 05 0831 | 05 0831 | 08 1223 | 08 1223 |
| 05 1112 | 05 1112 | 05 1009 | 05 1009 | 0.00 | 0.000 |
| 05 1121 | 05 1121 | 05 1026 | 05 1026 | 2080.00 | 193.710 |
| 06 0707 | 06 0707 | 05 1107 | 05 1107 | 4306.00 | 371.059 |
| 06 0929 | 06 0929 | 05 1111 | 05 1111 | 6029.00 | 542.842 |
| 06 1101 | 06 1101 | 05 1117 | 05 1117 | 7220.00 | 622.373 |
| 06 1120 | 06 1120 | 05 1120 | 05 1120 | 8248.00 | 710.181 |
| 06 1122 | 06 1122 | 06 0208 | 06 0208 | 8800.00 | 723.547 |
| 07 0122 | 07 0122 | 06 0423 | 06 0423 | 10000.00 | 791.500 |
| 07 0123 | 07 0123 | 06 0629 | 06 0629 | 12500.00 | 816.629 |
| 07 0506 | 07 0506 | 06 0926 | 06 0926 | 15000.00 | 780.272 |
| 07 0603 | 07 0603 | 06 1003 | 06 1003 | 38800.00 | 814.024 |
| 07 0616 | 07 0616 | 06 1020 | 06 1020 | 45000.00 | 806.831 |
| 07 0710 | 07 0710 | 06 1022 | 06 1022 | 100000.00 | 806.831 |
| 07 0804 | 07 0804 | 06 1031 | 06 1031 | 'CURVE12' | 017 13 0 0 |
| 08 0103 | 08 0103 | 06 1119 | 06 1119 | 03 0118 | 03 0118 |
| 08 0410 | 08 0410 | 07 0109 | 07 0109 | 03 0816 | 03 0816 |
| 08 0506 | 08 0506 | 07 0121 | 07 0121 | 03 0817 | 03 0817 |
| 08 0508 | 08 0508 | 08 0520 | 08 0520 | 03 1014 | 03 1014 |
| 08 0711 | 08 0711 | 08 0714 | 08 0714 | 03 1028 | 03 1028 |
| 08 0715 | 08 0715 | 08 0801 | 08 0801 | 03 1215 | 03 1215 |
| 08 0716 | 08 0716 | 08 0921 | 08 0921 | 04 0125 | 04 0125 |
| 08 0802 | 08 0802 | 08 0922 | 08 0922 | 05 1119 | 05 1119 |
| 08 1117 | 08 1117 | 08 1028 | 08 1028 | 06 1117 | 06 1117 |
| 0.00 | 0.000 | 08 1029 | 08 1029 | 07 0219 | 07 0219 |
| 2080.00 | 223.875 | 08 1231 | 08 1231 | 08 0726 | 08 0726 |
| 4306.00 | 428.841 | 0.00 | 0.000 | 08 0727 | 08 0727 |
| 6029.00 | 627.374 | 2080.00 | 209.549 | 08 0728 | 08 0728 |
| 7220.00 | 719.290 | 4306.00 | 401.399 | 08 0729 | 08 0729 |
| 8248.00 | 820.773 | 6029.00 | 587.228 | 08 0730 | 08 0730 |
| 8800.00 | 836.219 | 7220.00 | 673.262 | 08 0731 | 08 0731 |
| 10000.00 | 914.754 | 8248.00 | 768.250 | 08 1220 | 08 1220 |
| 12500.00 | 943.797 | 8800.00 | 782.709 | 0.00 | 0.000 |
| 15000.00 | 901.778 | 10000.00 | 856.218 | 2080.00 | 177.677 |
| 38800.00 | 940.786 | 12500.00 | 883.402 | 4306.00 | 340.347 |
| 45000.00 | 932.472 | 15000.00 | 844.072 | 6029.00 | 497.912 |
| 100000.00 | 932.472 | 38800.00 | 880.584 | 7220.00 | 570.861 |
| 'CURVE10' | 051 13 0 0 | 45000.00 | 872.802 | 8248.00 | 651.401 |
| 03 0323 | 03 0323 | 100000.00 | 872.802 | 8800.00 | 663.661 |
| 03 0327 | 03 0327 | 'CURVE11' | 024 13 0 0 | 10000.00 | 725.990 |

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| 12500.00 749.039 | 'CURVE15' 004 13 0 0 | 15000.00 367.610 |
| 15000.00 715.691 | 04 0109 04 0109 | 38800.00 383.511 |
| 38800.00 746.650 | 04 0116 04 0116 | 45000.00 380.122 |
| 45000.00 740.051 | 04 1025 04 1025 | 100000.00 380.122 |
| 100000.00 740.051 | 05 1118 05 1118 | 'CURVE18' 000 13 0 0 |
| 'CURVE13' 008 13 0 0 | 0.00 0.000 | 0.00 0.000 |
| 03 0812 03 0812 | 2080.00 122.091 | 2080.00 76.849 |
| 03 0814 03 0814 | 4306.00 233.870 | 4306.00 147.206 |
| 03 0815 03 0815 | 6029.00 342.140 | 6029.00 215.356 |
| 04 0115 04 0115 | 7220.00 392.267 | 7220.00 246.908 |
| 05 0121 05 0121 | 8248.00 447.611 | 8248.00 281.743 |
| 06 1030 06 1030 | 8800.00 456.035 | 8800.00 287.046 |
| 07 1102 07 1102 | 10000.00 498.864 | 10000.00 314.004 |
| 08 0725 08 0725 | 12500.00 514.703 | 12500.00 323.973 |
| 0.00 0.000 | 15000.00 491.787 | 15000.00 309.550 |
| 2080.00 164.702 | 38800.00 513.061 | 38800.00 322.940 |
| 4306.00 315.492 | 45000.00 508.527 | 45000.00 320.086 |
| 6029.00 461.550 | 100000.00 508.527 | 100000.00 320.086 |
| 7220.00 529.171 | 'CURVE16' 004 13 0 0 | 'CURVE19' 000 13 0 0 |
| 8248.00 603.830 | 04 0110 04 0110 | 0.00 0.000 |
| 8800.00 615.194 | 04 0114 04 0114 | 2080.00 67.371 |
| 10000.00 672.971 | 04 0124 04 0124 | 4306.00 129.051 |
| 12500.00 694.338 | 08 1027 08 1027 | 6029.00 188.795 |
| 15000.00 663.424 | 0.00 0.000 | 7220.00 216.456 |
| 38800.00 692.123 | 2080.00 105.557 | 8248.00 246.995 |
| 45000.00 686.006 | 4306.00 202.198 | 8800.00 251.643 |
| 100000.00 686.006 | 6029.00 295.806 | 10000.00 275.277 |
| 'CURVE14' 005 13 0 0 | 7220.00 339.144 | 12500.00 284.016 |
| 03 0813 03 0813 | 8248.00 386.993 | 15000.00 271.372 |
| 05 0118 05 0118 | 8800.00 394.276 | 38800.00 283.110 |
| 06 1029 06 1029 | 10000.00 431.305 | 45000.00 280.609 |
| 06 1118 06 1118 | 12500.00 444.999 | 100000.00 280.609 |
| 08 0724 08 0724 | 15000.00 425.186 | 'CURVE20' 000 13 0 0 |
| 0.00 0.000 | 38800.00 443.579 | 0.00 0.000 |
| 2080.00 141.567 | 45000.00 439.659 | 2080.00 49.785 |
| 4306.00 271.177 | 100000.00 439.659 | 4306.00 95.364 |
| 6029.00 396.719 | 'CURVE17' 000 13 0 0 | 6029.00 139.514 |
| 7220.00 454.842 | 0.00 0.000 | 7220.00 159.954 |
| 8248.00 519.014 | 2080.00 91.263 | 8248.00 182.521 |
| 8800.00 528.782 | 4306.00 174.817 | 8800.00 185.956 |
| 10000.00 578.443 | 6029.00 255.749 | 10000.00 203.421 |
| 12500.00 596.808 | 7220.00 293.219 | 12500.00 209.879 |
| 15000.00 570.237 | 8248.00 334.588 | 15000.00 200.535 |
| 38800.00 594.904 | 8800.00 340.885 | 38800.00 209.210 |
| 45000.00 589.647 | 10000.00 372.900 | 45000.00 207.361 |
| 100000.00 589.647 | 12500.00 384.739 | 100000.00 207.361 |

HWBEG Input File for Ft. Miller

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 030101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 2
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
12
'FTMILLER' 'GENERAL' 6
'FILLCRV' 1 5 0 0
03 0101 03 1231
0 0
3300 77.29665481
6600 73.05838166
13000 60.87490163
50000 49.84298314
'FILLCRV' 1 5 0 0
04 0101 04 1231
0 0
3300 72.25431905
6600 67.80319021
13000 70.045797
50000 50
'FILLCRV' 1 5 0 0
05 0101 05 1231
0 0
3300 39.42002101
6600 85.3433658
13000 81.62192629
50000 50
'FILLCRV' 1 5 0 0
06 0101 06 1231
0 0
3300 83.81756054
6600 71.4948282
13000 123.8836409
50000 89.73831021
'FILLCRV' 1 5 0 0
07 0101 07 1231
0 0
3300 70.51496699
6600 70.4246309
13000 73.31689304
50000 50.27189583
'FILLCRV' 1 5 0 0
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0 0
3300 77.84314379
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HWBEG Input File for Stillwater

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 2
05 05 06 0
06 06 07 0
07 07 08 0
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
13
'STILLWATER' 'GENERAL' 20
'CURVE01' 038 13 0 0 | 06 0815 06 0815 | 3800.00 60.805
03 0619 03 0619 | 06 0816 06 0816 | 5160.00 60.821
03 0620 03 0620 | 06 0819 06 0819 | 6700.00 62.448
03 0623 03 0623 | 06 0911 06 0911 | 8500.00 62.174
03 0625 03 0625 | 06 0912 06 0912 | 10000.00 61.153
03 0627 03 0627 | 06 0913 06 0913 | 12500.00 61.117
04 0502 04 0502 | 06 1227 06 1227 | 16000.00 61.346
04 0619 04 0619 | 07 0616 07 0616 | 24000.00 60.840
04 0621 04 0621 | 07 0630 07 0630 | 28000.00 60.908
04 0921 04 0921 | 07 0730 07 0730 | 50000.00 61.479
04 0922 04 0922 | 07 0817 07 0817 | 'CURVE02' 124 13 0 0
04 0928 04 0928 | 07 0822 07 0822 | 03 0606 03 0606
04 1013 04 1013 | 07 0911 07 0911 | 03 0609 03 0609
05 0313 05 0313 | 07 0922 07 0922 | 04 0503 04 0503
05 0625 05 0625 | 07 1217 07 1217 | 04 0504 04 0504
05 0728 05 0728 | 08 0825 08 0825 | 04 0620 04 0620
05 1227 05 1227 | 08 0901 08 0901 | 04 0807 04 0807
06 0511 06 0511 | 08 1211 08 1211 | 04 0812 04 0812
06 0524 06 0524 | 0.00 0.000 | 04 0830 04 0830
06 0617 06 0617 | 1750.00 15.875 | 04 0901 04 0901
06 0626 06 0626 | 2500.00 38.806 | 04 0903 04 0903

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| 04 0907 | 04 0907 | 06 1209 | 06 1209 | 50000.00 | 57.203 |
| 04 0908 | 04 0908 | 06 1210 | 06 1210 | 'CURVE03' | 159 13 0 0 |
| 04 0911 | 04 0911 | 06 1212 | 06 1212 | 03 0531 | 03 0531 |
| 05 0112 | 05 0112 | 06 1215 | 06 1215 | 03 0602 | 03 0602 |
| 05 0115 | 05 0115 | 06 1216 | 06 1216 | 03 0603 | 03 0603 |
| 05 0116 | 05 0116 | 06 1217 | 06 1217 | 03 0605 | 03 0605 |
| 05 0117 | 05 0117 | 06 1222 | 06 1222 | 03 0607 | 03 0607 |
| 05 0118 | 05 0118 | 06 1223 | 06 1223 | 03 0608 | 03 0608 |
| 05 0119 | 05 0119 | 06 1226 | 06 1226 | 03 0615 | 03 0615 |
| 05 0120 | 05 0120 | 06 1228 | 06 1228 | 03 0823 | 03 0823 |
| 05 0124 | 05 0124 | 06 1229 | 06 1229 | 03 1029 | 03 1029 |
| 05 0525 | 05 0525 | 06 1230 | 06 1230 | 04 0501 | 04 0501 |
| 05 0526 | 05 0526 | 06 1231 | 06 1231 | 04 0505 | 04 0505 |
| 05 0605 | 05 0605 | 07 0102 | 07 0102 | 04 0510 | 04 0510 |
| 05 0701 | 05 0701 | 07 0103 | 07 0103 | 04 0511 | 04 0511 |
| 05 0703 | 05 0703 | 07 0107 | 07 0107 | 04 0520 | 04 0520 |
| 05 1023 | 05 1023 | 07 0108 | 07 0108 | 04 0617 | 04 0617 |
| 05 1230 | 05 1230 | 07 0109 | 07 0109 | 04 0622 | 04 0622 |
| 06 0103 | 06 0103 | 07 0110 | 07 0110 | 04 0806 | 04 0806 |
| 06 0116 | 06 0116 | 07 0111 | 07 0111 | 04 0809 | 04 0809 |
| 06 0120 | 06 0120 | 07 0113 | 07 0113 | 04 0823 | 04 0823 |
| 06 0121 | 06 0121 | 07 0114 | 07 0114 | 04 0824 | 04 0824 |
| 06 0122 | 06 0122 | 07 0617 | 07 0617 | 04 0825 | 04 0825 |
| 06 0124 | 06 0124 | 07 0629 | 07 0629 | 04 0828 | 04 0828 |
| 06 0212 | 06 0212 | 07 0703 | 07 0703 | 04 0831 | 04 0831 |
| 06 0323 | 06 0323 | 07 0729 | 07 0729 | 04 0910 | 04 0910 |
| 06 0330 | 06 0330 | 07 0830 | 07 0830 | 04 0917 | 04 0917 |
| 06 0404 | 06 0404 | 07 1214 | 07 1214 | 04 0918 | 04 0918 |
| 06 0406 | 06 0406 | 07 1215 | 07 1215 | 04 0919 | 04 0919 |
| 06 0408 | 06 0408 | 07 1219 | 07 1219 | 04 0920 | 04 0920 |
| 06 0413 | 06 0413 | 07 1222 | 07 1222 | 04 0927 | 04 0927 |
| 06 0414 | 06 0414 | 07 1223 | 07 1223 | 04 0929 | 04 0929 |
| 06 0417 | 06 0417 | 07 1224 | 07 1224 | 04 1001 | 04 1001 |
| 06 0420 | 06 0420 | 08 0524 | 08 0524 | 04 1222 | 04 1222 |
| 06 0422 | 06 0422 | 08 0709 | 08 0709 | 04 1224 | 04 1224 |
| 06 0509 | 06 0509 | 08 0809 | 08 0809 | 04 1225 | 04 1225 |
| 06 0514 | 06 0514 | 08 0819 | 08 0819 | 05 0111 | 05 0111 |
| 06 0515 | 06 0515 | 08 0821 | 08 0821 | 05 0114 | 05 0114 |
| 06 0527 | 06 0527 | 08 0829 | 08 0829 | 05 0430 | 05 0430 |
| 06 0529 | 06 0529 | 08 0831 | 08 0831 | 05 0501 | 05 0501 |
| 06 0602 | 06 0602 | 08 0902 | 08 0902 | 05 0624 | 05 0624 |
| 06 0603 | 06 0603 | 08 0903 | 08 0903 | 05 0630 | 05 0630 |
| 06 0605 | 06 0605 | 08 0906 | 08 0906 | 05 0702 | 05 0702 |
| 06 0606 | 06 0606 | 08 1205 | 08 1205 | 05 0704 | 05 0704 |
| 06 0607 | 06 0607 | 08 1206 | 08 1206 | 05 0705 | 05 0705 |
| 06 0608 | 06 0608 | 08 1207 | 08 1207 | 05 0722 | 05 0722 |
| 06 0609 | 06 0609 | 08 1208 | 08 1208 | 05 0724 | 05 0724 |
| 06 0611 | 06 0611 | 08 1209 | 08 1209 | 05 0913 | 05 0913 |
| 06 0612 | 06 0612 | 08 1210 | 08 1210 | 05 0925 | 05 0925 |
| 06 0619 | 06 0619 | 08 1212 | 08 1212 | 05 1205 | 05 1205 |
| 06 0620 | 06 0620 | 08 1220 | 08 1220 | 05 1218 | 05 1218 |
| 06 0623 | 06 0623 | 0.00 | 0.000 | 05 1219 | 05 1219 |
| 06 0627 | 06 0627 | 1750.00 | 14.770 | 05 1221 | 05 1221 |
| 06 0630 | 06 0630 | 2500.00 | 36.107 | 05 1228 | 05 1228 |
| 06 0702 | 06 0702 | 3800.00 | 56.576 | 06 0102 | 06 0102 |
| 06 0706 | 06 0706 | 5160.00 | 56.590 | 06 0107 | 06 0107 |
| 06 0707 | 06 0707 | 6700.00 | 58.105 | 06 0108 | 06 0108 |
| 06 0814 | 06 0814 | 8500.00 | 57.849 | 06 0110 | 06 0110 |
| 06 0817 | 06 0817 | 10000.00 | 56.900 | 06 0112 | 06 0112 |
| 06 0910 | 06 0910 | 12500.00 | 56.866 | 06 0113 | 06 0113 |
| 06 1016 | 06 1016 | 16000.00 | 57.079 | 06 0114 | 06 0114 |
| 06 1207 | 06 1207 | 24000.00 | 56.608 | 06 0115 | 06 0115 |
| 06 1208 | 06 1208 | 28000.00 | 56.672 | 06 0117 | 06 0117 |

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| 06 0118 | 06 0118 | 07 0101 | 07 0101 | 04 0507 | 04 0507 |
| 06 0119 | 06 0119 | 07 0104 | 07 0104 | 04 0509 | 04 0509 |
| 06 0123 | 06 0123 | 07 0105 | 07 0105 | 04 0605 | 04 0605 |
| 06 0204 | 06 0204 | 07 0106 | 07 0106 | 04 0608 | 04 0608 |
| 06 0206 | 06 0206 | 07 0112 | 07 0112 | 04 0609 | 04 0609 |
| 06 0207 | 06 0207 | 07 0117 | 07 0117 | 04 0610 | 04 0610 |
| 06 0208 | 06 0208 | 07 0124 | 07 0124 | 04 0618 | 04 0618 |
| 06 0209 | 06 0209 | 07 0823 | 07 0823 | 04 0803 | 04 0803 |
| 06 0210 | 06 0210 | 07 1005 | 07 1005 | 04 0805 | 04 0805 |
| 06 0214 | 06 0214 | 07 1216 | 07 1216 | 04 0810 | 04 0810 |
| 06 0226 | 06 0226 | 07 1218 | 07 1218 | 04 0811 | 04 0811 |
| 06 0316 | 06 0316 | 07 1220 | 07 1220 | 04 0813 | 04 0813 |
| 06 0317 | 06 0317 | 08 0115 | 08 0115 | 04 0814 | 04 0814 |
| 06 0325 | 06 0325 | 08 0117 | 08 0117 | 04 0904 | 04 0904 |
| 06 0327 | 06 0327 | 08 0522 | 08 0522 | 04 0906 | 04 0906 |
| 06 0328 | 06 0328 | 08 0525 | 08 0525 | 04 0909 | 04 0909 |
| 06 0331 | 06 0331 | 08 0616 | 08 0616 | 04 0914 | 04 0914 |
| 06 0401 | 06 0401 | 08 0617 | 08 0617 | 04 0915 | 04 0915 |
| 06 0415 | 06 0415 | 08 0712 | 08 0712 | 04 0924 | 04 0924 |
| 06 0416 | 06 0416 | 08 0808 | 08 0808 | 04 0925 | 04 0925 |
| 06 0418 | 06 0418 | 08 0810 | 08 0810 | 04 0926 | 04 0926 |
| 06 0419 | 06 0419 | 08 0811 | 08 0811 | 04 0930 | 04 0930 |
| 06 0423 | 06 0423 | 08 0818 | 08 0818 | 04 1116 | 04 1116 |
| 06 0424 | 06 0424 | 08 0822 | 08 0822 | 04 1207 | 04 1207 |
| 06 0427 | 06 0427 | 08 0823 | 08 0823 | 04 1223 | 04 1223 |
| 06 0503 | 06 0503 | 08 0830 | 08 0830 | 04 1226 | 04 1226 |
| 06 0505 | 06 0505 | 08 0904 | 08 0904 | 05 0108 | 05 0108 |
| 06 0508 | 06 0508 | 08 1130 | 08 1130 | 05 0109 | 05 0109 |
| 06 0512 | 06 0512 | 08 1201 | 08 1201 | 05 0520 | 05 0520 |
| 06 0517 | 06 0517 | 08 1203 | 08 1203 | 05 0522 | 05 0522 |
| 06 0523 | 06 0523 | 08 1204 | 08 1204 | 05 0527 | 05 0527 |
| 06 0525 | 06 0525 | 08 1213 | 08 1213 | 05 0528 | 05 0528 |
| 06 0610 | 06 0610 | 08 1215 | 08 1215 | 05 0606 | 05 0606 |
| 06 0613 | 06 0613 | 08 1216 | 08 1216 | 05 0623 | 05 0623 |
| 06 0614 | 06 0614 | 08 1217 | 08 1217 | 05 0627 | 05 0627 |
| 06 0615 | 06 0615 | 0.00 0.000 | | 05 0628 | 05 0628 |
| 06 0621 | 06 0621 | 1750.00 14.019 | | 05 0706 | 05 0706 |
| 06 0624 | 06 0624 | 2500.00 34.271 | | 05 0707 | 05 0707 |
| 06 0701 | 06 0701 | 3800.00 53.699 | | 05 0708 | 05 0708 |
| 06 0703 | 06 0703 | 5160.00 53.712 | | 05 0709 | 05 0709 |
| 06 0704 | 06 0704 | 6700.00 55.150 | | 05 0712 | 05 0712 |
| 06 0705 | 06 0705 | 8500.00 54.907 | | 05 0911 | 05 0911 |
| 06 0802 | 06 0802 | 10000.00 54.006 | | 05 1203 | 05 1203 |
| 06 0803 | 06 0803 | 12500.00 53.974 | | 05 1204 | 05 1204 |
| 06 0804 | 06 0804 | 16000.00 54.176 | | 05 1206 | 05 1206 |
| 06 0805 | 06 0805 | 24000.00 53.730 | | 05 1207 | 05 1207 |
| 06 0808 | 06 0808 | 28000.00 53.790 | | 05 1215 | 05 1215 |
| 06 0813 | 06 0813 | 50000.00 54.294 | | 05 1216 | 05 1216 |
| 06 0818 | 06 0818 | 'CURVE04' 161 13 0 0 | | 05 1217 | 05 1217 |
| 06 1120 | 06 1120 | 03 0504 03 0504 | | 05 1220 | 05 1220 |
| 06 1202 | 06 1202 | 03 0509 03 0509 | | 05 1226 | 05 1226 |
| 06 1203 | 06 1203 | 03 0511 03 0511 | | 06 0104 | 06 0104 |
| 06 1204 | 06 1204 | 03 0525 03 0525 | | 06 0105 | 06 0105 |
| 06 1205 | 06 1205 | 03 0526 03 0526 | | 06 0106 | 06 0106 |
| 06 1206 | 06 1206 | 03 0530 03 0530 | | 06 0111 | 06 0111 |
| 06 1213 | 06 1213 | 03 0601 03 0601 | | 06 0203 | 06 0203 |
| 06 1214 | 06 1214 | 03 0604 03 0604 | | 06 0211 | 06 0211 |
| 06 1218 | 06 1218 | 03 0621 03 0621 | | 06 0213 | 06 0213 |
| 06 1219 | 06 1219 | 03 0622 03 0622 | | 06 0215 | 06 0215 |
| 06 1220 | 06 1220 | 03 0624 03 0624 | | 06 0219 | 06 0219 |
| 06 1221 | 06 1221 | 03 0821 03 0821 | | 06 0220 | 06 0220 |
| 06 1224 | 06 1224 | 04 0427 04 0427 | | 06 0225 | 06 0225 |
| 06 1225 | 06 1225 | 04 0506 04 0506 | | 06 0303 | 06 0303 |

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| 06 0314 | 06 0314 | 08 0213 | 08 0213 | 03 0824 | 03 0824 |
| 06 0318 | 06 0318 | 08 0306 | 08 0306 | 03 0826 | 03 0826 |
| 06 0319 | 06 0319 | 08 0307 | 08 0307 | 03 0830 | 03 0830 |
| 06 0321 | 06 0321 | 08 0312 | 08 0312 | 03 1007 | 03 1007 |
| 06 0326 | 06 0326 | 08 0313 | 08 0313 | 03 1013 | 03 1013 |
| 06 0329 | 06 0329 | 08 0327 | 08 0327 | 03 1028 | 03 1028 |
| 06 0402 | 06 0402 | 08 0404 | 08 0404 | 03 1030 | 03 1030 |
| 06 0403 | 06 0403 | 08 0409 | 08 0409 | 04 0109 | 04 0109 |
| 06 0405 | 06 0405 | 08 0411 | 08 0411 | 04 0111 | 04 0111 |
| 06 0407 | 06 0407 | 08 0415 | 08 0415 | 04 0324 | 04 0324 |
| 06 0421 | 06 0421 | 08 0417 | 08 0417 | 04 0325 | 04 0325 |
| 06 0425 | 06 0425 | 08 0523 | 08 0523 | 04 0328 | 04 0328 |
| 06 0426 | 06 0426 | 08 0812 | 08 0812 | 04 0406 | 04 0406 |
| 06 0428 | 06 0428 | 08 0820 | 08 0820 | 04 0407 | 04 0407 |
| 06 0429 | 06 0429 | 08 1117 | 08 1117 | 04 0413 | 04 0413 |
| 06 0510 | 06 0510 | 08 1121 | 08 1121 | 04 0414 | 04 0414 |
| 06 0526 | 06 0526 | 08 1122 | 08 1122 | 04 0416 | 04 0416 |
| 06 0601 | 06 0601 | 08 1202 | 08 1202 | 04 0421 | 04 0421 |
| 06 0616 | 06 0616 | 08 1214 | 08 1214 | 04 0422 | 04 0422 |
| 06 0618 | 06 0618 | 08 1219 | 08 1219 | 04 0423 | 04 0423 |
| 06 0622 | 06 0622 | 08 1228 | 08 1228 | 04 0428 | 04 0428 |
| 06 0628 | 06 0628 | 0.00 | 0.000 | 04 0430 | 04 0430 |
| 06 0716 | 06 0716 | 1750.00 | 13.237 | 04 0508 | 04 0508 |
| 06 0718 | 06 0718 | 2500.00 | 32.359 | 04 0512 | 04 0512 |
| 06 0720 | 06 0720 | 3800.00 | 50.702 | 04 0602 | 04 0602 |
| 06 0722 | 06 0722 | 5160.00 | 50.716 | 04 0607 | 04 0607 |
| 06 0724 | 06 0724 | 6700.00 | 52.073 | 04 0611 | 04 0611 |
| 06 0729 | 06 0729 | 8500.00 | 51.844 | 04 0615 | 04 0615 |
| 06 0731 | 06 0731 | 10000.00 | 50.993 | 04 0616 | 04 0616 |
| 06 0801 | 06 0801 | 12500.00 | 50.963 | 04 0623 | 04 0623 |
| 06 0806 | 06 0806 | 16000.00 | 51.153 | 04 0626 | 04 0626 |
| 06 0809 | 06 0809 | 24000.00 | 50.732 | 04 0723 | 04 0723 |
| 06 0811 | 06 0811 | 28000.00 | 50.789 | 04 0731 | 04 0731 |
| 06 0812 | 06 0812 | 50000.00 | 51.264 | 04 0804 | 04 0804 |
| 06 0820 | 06 0820 | 'CURVE05' | 208 13 0 0 | 04 0822 | 04 0822 |
| 06 0920 | 06 0920 | 03 0405 | 03 0405 | 04 0827 | 04 0827 |
| 06 1017 | 06 1017 | 03 0411 | 03 0411 | 04 0829 | 04 0829 |
| 06 1116 | 06 1116 | 03 0414 | 03 0414 | 04 0902 | 04 0902 |
| 06 1117 | 06 1117 | 03 0416 | 03 0416 | 04 0905 | 04 0905 |
| 06 1123 | 06 1123 | 03 0417 | 03 0417 | 04 0912 | 04 0912 |
| 06 1124 | 06 1124 | 03 0418 | 03 0418 | 04 0913 | 04 0913 |
| 06 1125 | 06 1125 | 03 0423 | 03 0423 | 04 0923 | 04 0923 |
| 07 0115 | 07 0115 | 03 0424 | 03 0424 | 04 1002 | 04 1002 |
| 07 0127 | 07 0127 | 03 0425 | 03 0425 | 04 1004 | 04 1004 |
| 07 0128 | 07 0128 | 03 0428 | 03 0428 | 04 1117 | 04 1117 |
| 07 0129 | 07 0129 | 03 0430 | 03 0430 | 04 1123 | 04 1123 |
| 07 0324 | 07 0324 | 03 0503 | 03 0503 | 04 1202 | 04 1202 |
| 07 0514 | 07 0514 | 03 0510 | 03 0510 | 04 1216 | 04 1216 |
| 07 0517 | 07 0517 | 03 0514 | 03 0514 | 04 1220 | 04 1220 |
| 07 0524 | 07 0524 | 03 0515 | 03 0515 | 04 1221 | 04 1221 |
| 07 0528 | 07 0528 | 03 0519 | 03 0519 | 05 0107 | 05 0107 |
| 07 0530 | 07 0530 | 03 0522 | 03 0522 | 05 0110 | 05 0110 |
| 07 0531 | 07 0531 | 03 0524 | 03 0524 | 05 0420 | 05 0420 |
| 07 0614 | 07 0614 | 03 0529 | 03 0529 | 05 0422 | 05 0422 |
| 07 0618 | 07 0618 | 03 0610 | 03 0610 | 05 0423 | 05 0423 |
| 07 0731 | 07 0731 | 03 0611 | 03 0611 | 05 0424 | 05 0424 |
| 07 0801 | 07 0801 | 03 0612 | 03 0612 | 05 0506 | 05 0506 |
| 07 0803 | 07 0803 | 03 0613 | 03 0613 | 05 0509 | 05 0509 |
| 07 0805 | 07 0805 | 03 0614 | 03 0614 | 05 0511 | 05 0511 |
| 07 1111 | 07 1111 | 03 0628 | 03 0628 | 05 0512 | 05 0512 |
| 07 1213 | 07 1213 | 03 0730 | 03 0730 | 05 0513 | 05 0513 |
| 08 0110 | 08 0110 | 03 0811 | 03 0811 | 05 0515 | 05 0515 |
| 08 0116 | 08 0116 | 03 0818 | 03 0818 | 05 0516 | 05 0516 |

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| 05 0517 | 05 0517 | 07 0519 | 07 0519 | 16000.00 | 48.164 |
| 05 0521 | 05 0521 | 07 0521 | 07 0521 | 24000.00 | 47.767 |
| 05 0603 | 05 0603 | 07 0522 | 07 0522 | 28000.00 | 47.820 |
| 05 0626 | 05 0626 | 07 0525 | 07 0525 | 50000.00 | 48.268 |
| 05 0713 | 05 0713 | 07 0526 | 07 0526 | 'CURVE06' | 211 13 0 0 |
| 05 0718 | 05 0718 | 07 0529 | 07 0529 | 03 0101 | 03 0101 |
| 05 0721 | 05 0721 | 07 0601 | 07 0601 | 03 0110 | 03 0110 |
| 05 0723 | 05 0723 | 07 0602 | 07 0602 | 03 0322 | 03 0322 |
| 05 0727 | 05 0727 | 07 0611 | 07 0611 | 03 0406 | 03 0406 |
| 05 0826 | 05 0826 | 07 0725 | 07 0725 | 03 0410 | 03 0410 |
| 05 1022 | 05 1022 | 07 0727 | 07 0727 | 03 0413 | 03 0413 |
| 05 1029 | 05 1029 | 07 0728 | 07 0728 | 03 0415 | 03 0415 |
| 05 1222 | 05 1222 | 07 0802 | 07 0802 | 03 0426 | 03 0426 |
| 05 1224 | 05 1224 | 07 0826 | 07 0826 | 03 0427 | 03 0427 |
| 05 1225 | 05 1225 | 07 0902 | 07 0902 | 03 0501 | 03 0501 |
| 06 0127 | 06 0127 | 07 0924 | 07 0924 | 03 0505 | 03 0505 |
| 06 0205 | 06 0205 | 07 1129 | 07 1129 | 03 0512 | 03 0512 |
| 06 0216 | 06 0216 | 07 1211 | 07 1211 | 03 0513 | 03 0513 |
| 06 0221 | 06 0221 | 07 1212 | 07 1212 | 03 0516 | 03 0516 |
| 06 0320 | 06 0320 | 07 1225 | 07 1225 | 03 0517 | 03 0517 |
| 06 0322 | 06 0322 | 07 1230 | 07 1230 | 03 0518 | 03 0518 |
| 06 0409 | 06 0409 | 08 0109 | 08 0109 | 03 0520 | 03 0520 |
| 06 0430 | 06 0430 | 08 0112 | 08 0112 | 03 0521 | 03 0521 |
| 06 0502 | 06 0502 | 08 0118 | 08 0118 | 03 0523 | 03 0523 |
| 06 0506 | 06 0506 | 08 0125 | 08 0125 | 03 0527 | 03 0527 |
| 06 0507 | 06 0507 | 08 0126 | 08 0126 | 03 0528 | 03 0528 |
| 06 0513 | 06 0513 | 08 0208 | 08 0208 | 03 0719 | 03 0719 |
| 06 0518 | 06 0518 | 08 0308 | 08 0308 | 03 0721 | 03 0721 |
| 06 0530 | 06 0530 | 08 0314 | 08 0314 | 03 0728 | 03 0728 |
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| 06 0717 | 06 0717 | 08 0328 | 08 0328 | 03 0816 | 03 0816 |
| 06 0719 | 06 0719 | 08 0329 | 08 0329 | 03 0817 | 03 0817 |
| 06 0721 | 06 0721 | 08 0403 | 08 0403 | 03 0822 | 03 0822 |
| 06 0723 | 06 0723 | 08 0405 | 08 0405 | 03 0827 | 03 0827 |
| 06 0725 | 06 0725 | 08 0406 | 08 0406 | 03 0828 | 03 0828 |
| 06 0726 | 06 0726 | 08 0408 | 08 0408 | 03 1006 | 03 1006 |
| 06 0727 | 06 0727 | 08 0410 | 08 0410 | 03 1008 | 03 1008 |
| 06 0728 | 06 0728 | 08 0416 | 08 0416 | 03 1011 | 03 1011 |
| 06 0807 | 06 0807 | 08 0418 | 08 0418 | 03 1012 | 03 1012 |
| 06 0810 | 06 0810 | 08 0516 | 08 0516 | 03 1014 | 03 1014 |
| 06 0821 | 06 0821 | 08 0519 | 08 0519 | 03 1214 | 03 1214 |
| 06 0825 | 06 0825 | 08 0521 | 08 0521 | 03 1217 | 03 1217 |
| 06 0914 | 06 0914 | 08 0603 | 08 0603 | 03 1219 | 03 1219 |
| 06 1014 | 06 1014 | 08 0711 | 08 0711 | 03 1229 | 03 1229 |
| 06 1015 | 06 1015 | 08 0814 | 08 0814 | 04 0106 | 04 0106 |
| 06 1019 | 06 1019 | 08 0824 | 08 0824 | 04 0107 | 04 0107 |
| 06 1104 | 06 1104 | 08 0826 | 08 0826 | 04 0108 | 04 0108 |
| 06 1105 | 06 1105 | 08 0827 | 08 0827 | 04 0110 | 04 0110 |
| 06 1126 | 06 1126 | 08 0828 | 08 0828 | 04 0112 | 04 0112 |
| 07 0116 | 07 0116 | 08 0905 | 08 0905 | 04 0320 | 04 0320 |
| 07 0130 | 07 0130 | 08 1115 | 08 1115 | 04 0322 | 04 0322 |
| 07 0307 | 07 0307 | 08 1116 | 08 1116 | 04 0323 | 04 0323 |
| 07 0311 | 07 0311 | 08 1129 | 08 1129 | 04 0326 | 04 0326 |
| 07 0314 | 07 0314 | 0.00 | 0.000 | 04 0327 | 04 0327 |
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| 07 0419 | 07 0419 | 2500.00 | 30.467 | 04 0402 | 04 0402 |
| 07 0422 | 07 0422 | 3800.00 | 47.739 | 04 0403 | 04 0403 |
| 07 0424 | 07 0424 | 5160.00 | 47.752 | 04 0404 | 04 0404 |
| 07 0430 | 07 0430 | 6700.00 | 49.030 | 04 0405 | 04 0405 |
| 07 0511 | 07 0511 | 8500.00 | 48.814 | 04 0411 | 04 0411 |
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| 04 0417 | 04 0417 | 06 0504 | 06 0504 | 08 0220 | 08 0220 |
| 04 0418 | 04 0418 | 06 0522 | 06 0522 | 08 0303 | 08 0303 |
| 04 0419 | 04 0419 | 06 0531 | 06 0531 | 08 0304 | 08 0304 |
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| 04 0424 | 04 0424 | 06 0715 | 06 0715 | 08 0325 | 08 0325 |
| 04 0425 | 04 0425 | 06 0730 | 06 0730 | 08 0326 | 08 0326 |
| 04 0426 | 04 0426 | 06 0908 | 06 0908 | 08 0507 | 08 0507 |
| 04 0513 | 04 0513 | 06 0909 | 06 0909 | 08 0513 | 08 0513 |
| 04 0518 | 04 0518 | 06 0927 | 06 0927 | 08 0515 | 08 0515 |
| 04 0521 | 04 0521 | 06 1012 | 06 1012 | 08 0517 | 08 0517 |
| 04 0612 | 04 0612 | 06 1020 | 06 1020 | 08 0518 | 08 0518 |
| 04 0613 | 04 0613 | 06 1029 | 06 1029 | 08 0520 | 08 0520 |
| 04 0614 | 04 0614 | 06 1103 | 06 1103 | 08 0526 | 08 0526 |
| 04 0625 | 04 0625 | 06 1106 | 06 1106 | 08 0529 | 08 0529 |
| 04 0722 | 04 0722 | 06 1119 | 06 1119 | 08 0531 | 08 0531 |
| 04 0728 | 04 0728 | 06 1121 | 06 1121 | 08 0605 | 08 0605 |
| 04 0801 | 04 0801 | 07 0118 | 07 0118 | 08 0618 | 08 0618 |
| 04 0808 | 04 0808 | 07 0122 | 07 0122 | 08 0621 | 08 0621 |
| 04 0820 | 04 0820 | 07 0123 | 07 0123 | 08 0708 | 08 0708 |
| 04 0826 | 04 0826 | 07 0201 | 07 0201 | 08 0801 | 08 0801 |
| 04 1003 | 04 1003 | 07 0202 | 07 0202 | 08 0813 | 08 0813 |
| 04 1008 | 04 1008 | 07 0222 | 07 0222 | 08 0815 | 08 0815 |
| 04 1015 | 04 1015 | 07 0308 | 07 0308 | 08 0817 | 08 0817 |
| 04 1115 | 04 1115 | 07 0309 | 07 0309 | 08 0908 | 08 0908 |
| 04 1118 | 04 1118 | 07 0312 | 07 0312 | 08 0926 | 08 0926 |
| 04 1217 | 04 1217 | 07 0315 | 07 0315 | 08 1113 | 08 1113 |
| 04 1227 | 04 1227 | 07 0323 | 07 0323 | 08 1123 | 08 1123 |
| 05 0106 | 05 0106 | 07 0401 | 07 0401 | 0.00 | 0.000 |
| 05 0224 | 05 0224 | 07 0410 | 07 0410 | 1750.00 | 11.713 |
| 05 0225 | 05 0225 | 07 0412 | 07 0412 | 2500.00 | 28.632 |
| 05 0312 | 05 0312 | 07 0414 | 07 0414 | 3800.00 | 44.863 |
| 05 0415 | 05 0415 | 07 0415 | 07 0415 | 5160.00 | 44.875 |
| 05 0421 | 05 0421 | 07 0416 | 07 0416 | 6700.00 | 46.076 |
| 05 0502 | 05 0502 | 07 0420 | 07 0420 | 8500.00 | 45.873 |
| 05 0505 | 05 0505 | 07 0421 | 07 0421 | 10000.00 | 45.120 |
| 05 0507 | 05 0507 | 07 0423 | 07 0423 | 12500.00 | 45.094 |
| 05 0508 | 05 0508 | 07 0501 | 07 0501 | 16000.00 | 45.262 |
| 05 0510 | 05 0510 | 07 0516 | 07 0516 | 24000.00 | 44.889 |
| 05 0518 | 05 0518 | 07 0518 | 07 0518 | 28000.00 | 44.939 |
| 05 0519 | 05 0519 | 07 0520 | 07 0520 | 50000.00 | 45.361 |
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| 05 0609 | 05 0609 | 07 0613 | 07 0613 | 03 0320 | 03 0320 |
| 05 0622 | 05 0622 | 07 0619 | 07 0619 | 03 0404 | 03 0404 |
| 05 0715 | 05 0715 | 07 0705 | 07 0705 | 03 0407 | 03 0407 |
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| 05 0719 | 05 0719 | 07 0818 | 07 0818 | 03 0412 | 03 0412 |
| 05 0720 | 05 0720 | 07 0829 | 07 0829 | 03 0421 | 03 0421 |
| 05 0726 | 05 0726 | 07 0903 | 07 0903 | 03 0422 | 03 0422 |
| 05 0729 | 05 0729 | 07 0906 | 07 0906 | 03 0429 | 03 0429 |
| 05 0807 | 05 0807 | 07 0923 | 07 0923 | 03 0507 | 03 0507 |
| 05 0810 | 05 0810 | 07 1104 | 07 1104 | 03 0508 | 03 0508 |
| 05 0912 | 05 0912 | 07 1126 | 07 1126 | 03 0626 | 03 0626 |
| 05 1201 | 05 1201 | 07 1130 | 07 1130 | 03 0701 | 03 0701 |
| 05 1202 | 05 1202 | 07 1201 | 07 1201 | 03 0705 | 03 0705 |
| 05 1214 | 05 1214 | 07 1231 | 07 1231 | 03 0715 | 03 0715 |
| 05 1229 | 05 1229 | 08 0103 | 08 0103 | 03 0716 | 03 0716 |
| 06 0201 | 06 0201 | 08 0106 | 08 0106 | 03 0717 | 03 0717 |
| 06 0202 | 06 0202 | 08 0111 | 08 0111 | 03 0731 | 03 0731 |
| 06 0301 | 06 0301 | 08 0211 | 08 0211 | 03 0806 | 03 0806 |
| 06 0302 | 06 0302 | 08 0212 | 08 0212 | 03 0810 | 03 0810 |
| 06 0305 | 06 0305 | 08 0214 | 08 0214 | 03 0813 | 03 0813 |
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| 03 0825 | 03 0825 | 04 1215 | 04 1215 | 07 0429 | 07 0429 |
| 03 0910 | 03 0910 | 05 0102 | 05 0102 | 07 0503 | 07 0503 |
| 03 0911 | 03 0911 | 05 0304 | 05 0304 | 07 0509 | 07 0509 |
| 03 1009 | 03 1009 | 05 0305 | 05 0305 | 07 0510 | 07 0510 |
| 03 1010 | 03 1010 | 05 0307 | 05 0307 | 07 0607 | 07 0607 |
| 03 1015 | 03 1015 | 05 0310 | 05 0310 | 07 0625 | 07 0625 |
| 03 1016 | 03 1016 | 05 0311 | 05 0311 | 07 0627 | 07 0627 |
| 03 1017 | 03 1017 | 05 0315 | 05 0315 | 07 0704 | 07 0704 |
| 03 1019 | 03 1019 | 05 0316 | 05 0316 | 07 0707 | 07 0707 |
| 03 1020 | 03 1020 | 05 0330 | 05 0330 | 07 0722 | 07 0722 |
| 03 1026 | 03 1026 | 05 0404 | 05 0404 | 07 0724 | 07 0724 |
| 03 1027 | 03 1027 | 05 0408 | 05 0408 | 07 0726 | 07 0726 |
| 03 1123 | 03 1123 | 05 0418 | 05 0418 | 07 0807 | 07 0807 |
| 03 1124 | 03 1124 | 05 0419 | 05 0419 | 07 0828 | 07 0828 |
| 03 1125 | 03 1125 | 05 0425 | 05 0425 | 07 0901 | 07 0901 |
| 03 1202 | 03 1202 | 05 0610 | 05 0610 | 07 0907 | 07 0907 |
| 03 1204 | 03 1204 | 05 0711 | 05 0711 | 07 0910 | 07 0910 |
| 03 1207 | 03 1207 | 05 0714 | 05 0714 | 07 0925 | 07 0925 |
| 03 1208 | 03 1208 | 05 0725 | 05 0725 | 07 1007 | 07 1007 |
| 03 1216 | 03 1216 | 05 0809 | 05 0809 | 07 1110 | 07 1110 |
| 03 1218 | 03 1218 | 05 0909 | 05 0909 | 07 1118 | 07 1118 |
| 04 0313 | 04 0313 | 05 0914 | 05 0914 | 07 1125 | 07 1125 |
| 04 0319 | 04 0319 | 05 1028 | 05 1028 | 07 1127 | 07 1127 |
| 04 0429 | 04 0429 | 05 1107 | 05 1107 | 07 1128 | 07 1128 |
| 04 0514 | 04 0514 | 05 1124 | 05 1124 | 07 1221 | 07 1221 |
| 04 0519 | 04 0519 | 06 0109 | 06 0109 | 08 0105 | 08 0105 |
| 04 0524 | 04 0524 | 06 0217 | 06 0217 | 08 0108 | 08 0108 |
| 04 0526 | 04 0526 | 06 0218 | 06 0218 | 08 0113 | 08 0113 |
| 04 0528 | 04 0528 | 06 0224 | 06 0224 | 08 0114 | 08 0114 |
| 04 0603 | 04 0603 | 06 0307 | 06 0307 | 08 0128 | 08 0128 |
| 04 0606 | 04 0606 | 06 0313 | 06 0313 | 08 0129 | 08 0129 |
| 04 0624 | 04 0624 | 06 0324 | 06 0324 | 08 0206 | 08 0206 |
| 04 0627 | 04 0627 | 06 0713 | 06 0713 | 08 0210 | 08 0210 |
| 04 0629 | 04 0629 | 06 0714 | 06 0714 | 08 0225 | 08 0225 |
| 04 0702 | 04 0702 | 06 0831 | 06 0831 | 08 0226 | 08 0226 |
| 04 0716 | 04 0716 | 06 0901 | 06 0901 | 08 0302 | 08 0302 |
| 04 0724 | 04 0724 | 06 0925 | 06 0925 | 08 0317 | 08 0317 |
| 04 0727 | 04 0727 | 06 1023 | 06 1023 | 08 0322 | 08 0322 |
| 04 0730 | 04 0730 | 06 1111 | 06 1111 | 08 0402 | 08 0402 |
| 04 0802 | 04 0802 | 06 1113 | 06 1113 | 08 0412 | 08 0412 |
| 04 0816 | 04 0816 | 06 1114 | 06 1114 | 08 0413 | 08 0413 |
| 04 0819 | 04 0819 | 06 1115 | 06 1115 | 08 0419 | 08 0419 |
| 04 0821 | 04 0821 | 06 1122 | 06 1122 | 08 0427 | 08 0427 |
| 04 1005 | 04 1005 | 06 1201 | 06 1201 | 08 0508 | 08 0508 |
| 04 1006 | 04 1006 | 07 0121 | 07 0121 | 08 0512 | 08 0512 |
| 04 1009 | 04 1009 | 07 0212 | 07 0212 | 08 0530 | 08 0530 |
| 04 1010 | 04 1010 | 07 0223 | 07 0223 | 08 0604 | 08 0604 |
| 04 1011 | 04 1011 | 07 0303 | 07 0303 | 08 0619 | 08 0619 |
| 04 1012 | 04 1012 | 07 0305 | 07 0305 | 08 0704 | 08 0704 |
| 04 1025 | 04 1025 | 07 0306 | 07 0306 | 08 0706 | 08 0706 |
| 04 1026 | 04 1026 | 07 0310 | 07 0310 | 08 0907 | 08 0907 |
| 04 1030 | 04 1030 | 07 0321 | 07 0321 | 08 1120 | 08 1120 |
| 04 1101 | 04 1101 | 07 0322 | 07 0322 | 08 1128 | 08 1128 |
| 04 1102 | 04 1102 | 07 0330 | 07 0330 | 0.00 | 0.000 |
| 04 1119 | 04 1119 | 07 0331 | 07 0331 | 1750.00 | 10.963 |
| 04 1120 | 04 1120 | 07 0402 | 07 0402 | 2500.00 | 26.800 |
| 04 1122 | 04 1122 | 07 0406 | 07 0406 | 3800.00 | 41.993 |
| 04 1129 | 04 1129 | 07 0407 | 07 0407 | 5160.00 | 42.003 |
| 04 1201 | 04 1201 | 07 0408 | 07 0408 | 6700.00 | 43.128 |
| 04 1203 | 04 1203 | 07 0409 | 07 0409 | 8500.00 | 42.938 |
| 04 1206 | 04 1206 | 07 0413 | 07 0413 | 10000.00 | 42.233 |
| 04 1213 | 04 1213 | 07 0417 | 07 0417 | 12500.00 | 42.208 |
| 04 1214 | 04 1214 | 07 0418 | 07 0418 | 16000.00 | 42.366 |

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| 24000.00 | 42.017 | 04 0817 | 04 0817 | 06 0126 | 06 0126 |
| 28000.00 | 42.064 | 04 0818 | 04 0818 | 06 0228 | 06 0228 |
| 50000.00 | 42.458 | 04 1027 | 04 1027 | 06 0306 | 06 0306 |
| 'CURVE08' | 214 13 0 0 | 04 1028 | 04 1028 | 06 0308 | 06 0308 |
| 03 0103 | 03 0103 | 04 1029 | 04 1029 | 06 0315 | 06 0315 |
| 03 0108 | 03 0108 | 04 1103 | 04 1103 | 06 0528 | 06 0528 |
| 03 0221 | 03 0221 | 04 1104 | 04 1104 | 06 0826 | 06 0826 |
| 03 0409 | 03 0409 | 04 1124 | 04 1124 | 06 0827 | 06 0827 |
| 03 0420 | 03 0420 | 04 1126 | 04 1126 | 06 0828 | 06 0828 |
| 03 0702 | 03 0702 | 04 1127 | 04 1127 | 06 0915 | 06 0915 |
| 03 0703 | 03 0703 | 04 1204 | 04 1204 | 06 0917 | 06 0917 |
| 03 0706 | 03 0706 | 04 1205 | 04 1205 | 06 0928 | 06 0928 |
| 03 0708 | 03 0708 | 04 1212 | 04 1212 | 06 1010 | 06 1010 |
| 03 0710 | 03 0710 | 04 1219 | 04 1219 | 06 1011 | 06 1011 |
| 03 0718 | 03 0718 | 04 1230 | 04 1230 | 06 1021 | 06 1021 |
| 03 0801 | 03 0801 | 04 1231 | 04 1231 | 06 1026 | 06 1026 |
| 03 0803 | 03 0803 | 05 0105 | 05 0105 | 06 1028 | 06 1028 |
| 03 0809 | 03 0809 | 05 0113 | 05 0113 | 07 0203 | 07 0203 |
| 03 0814 | 03 0814 | 05 0216 | 05 0216 | 07 0213 | 07 0213 |
| 03 0820 | 03 0820 | 05 0220 | 05 0220 | 07 0220 | 07 0220 |
| 03 0831 | 03 0831 | 05 0226 | 05 0226 | 07 0304 | 07 0304 |
| 03 0912 | 03 0912 | 05 0302 | 05 0302 | 07 0320 | 07 0320 |
| 03 0919 | 03 0919 | 05 0303 | 05 0303 | 07 0327 | 07 0327 |
| 03 0921 | 03 0921 | 05 0306 | 05 0306 | 07 0403 | 07 0403 |
| 03 1004 | 03 1004 | 05 0308 | 05 0308 | 07 0405 | 07 0405 |
| 03 1005 | 03 1005 | 05 0309 | 05 0309 | 07 0502 | 07 0502 |
| 03 1018 | 03 1018 | 05 0314 | 05 0314 | 07 0507 | 07 0507 |
| 03 1021 | 03 1021 | 05 0322 | 05 0322 | 07 0508 | 07 0508 |
| 03 1022 | 03 1022 | 05 0323 | 05 0323 | 07 0513 | 07 0513 |
| 03 1023 | 03 1023 | 05 0325 | 05 0325 | 07 0604 | 07 0604 |
| 03 1024 | 03 1024 | 05 0327 | 05 0327 | 07 0605 | 07 0605 |
| 03 1025 | 03 1025 | 05 0329 | 05 0329 | 07 0609 | 07 0609 |
| 03 1101 | 03 1101 | 05 0401 | 05 0401 | 07 0612 | 07 0612 |
| 03 1111 | 03 1111 | 05 0402 | 05 0402 | 07 0615 | 07 0615 |
| 03 1112 | 03 1112 | 05 0403 | 05 0403 | 07 0626 | 07 0626 |
| 03 1114 | 03 1114 | 05 0407 | 05 0407 | 07 0702 | 07 0702 |
| 03 1117 | 03 1117 | 05 0409 | 05 0409 | 07 0706 | 07 0706 |
| 03 1120 | 03 1120 | 05 0416 | 05 0416 | 07 0716 | 07 0716 |
| 03 1121 | 03 1121 | 05 0417 | 05 0417 | 07 0813 | 07 0813 |
| 03 1130 | 03 1130 | 05 0426 | 05 0426 | 07 0816 | 07 0816 |
| 03 1203 | 03 1203 | 05 0427 | 05 0427 | 07 0821 | 07 0821 |
| 03 1209 | 03 1209 | 05 0428 | 05 0428 | 07 0824 | 07 0824 |
| 03 1210 | 03 1210 | 05 0429 | 05 0429 | 07 0825 | 07 0825 |
| 03 1215 | 03 1215 | 05 0524 | 05 0524 | 07 0904 | 07 0904 |
| 03 1230 | 03 1230 | 05 0529 | 05 0529 | 07 0905 | 07 0905 |
| 04 0105 | 04 0105 | 05 0621 | 05 0621 | 07 0917 | 07 0917 |
| 04 0113 | 04 0113 | 05 0716 | 05 0716 | 07 0921 | 07 0921 |
| 04 0216 | 04 0216 | 05 0812 | 05 0812 | 07 1006 | 07 1006 |
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| 04 0315 | 04 0315 | 05 1007 | 05 1007 | 07 1022 | 07 1022 |
| 04 0318 | 04 0318 | 05 1024 | 05 1024 | 07 1109 | 07 1109 |
| 04 0321 | 04 0321 | 05 1026 | 05 1026 | 07 1117 | 07 1117 |
| 04 0330 | 04 0330 | 05 1027 | 05 1027 | 07 1202 | 07 1202 |
| 04 0331 | 04 0331 | 05 1030 | 05 1030 | 07 1206 | 07 1206 |
| 04 0515 | 04 0515 | 05 1108 | 05 1108 | 07 1210 | 07 1210 |
| 04 0517 | 04 0517 | 05 1109 | 05 1109 | 08 0101 | 08 0101 |
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| 04 0628 | 04 0628 | 05 1113 | 05 1113 | 08 0104 | 08 0104 |
| 04 0630 | 04 0630 | 05 1114 | 05 1114 | 08 0107 | 08 0107 |
| 04 0715 | 04 0715 | 05 1118 | 05 1118 | 08 0119 | 08 0119 |
| 04 0717 | 04 0717 | 05 1129 | 05 1129 | 08 0124 | 08 0124 |
| 04 0726 | 04 0726 | 05 1130 | 05 1130 | 08 0207 | 08 0207 |
| 04 0815 | 04 0815 | 05 1231 | 05 1231 | 08 0215 | 08 0215 |

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| 08 0227 | 08 0227 | 03 0920 | 03 0920 | 05 0618 | 05 0618 |
| 08 0309 | 08 0309 | 03 0929 | 03 0929 | 05 0803 | 05 0803 |
| 08 0316 | 08 0316 | 03 0930 | 03 0930 | 05 0811 | 05 0811 |
| 08 0505 | 08 0505 | 03 1002 | 03 1002 | 05 0814 | 05 0814 |
| 08 0506 | 08 0506 | 03 1003 | 03 1003 | 05 0825 | 05 0825 |
| 08 0509 | 08 0509 | 03 1031 | 03 1031 | 05 0908 | 05 0908 |
| 08 0514 | 08 0514 | 03 1107 | 03 1107 | 05 0921 | 05 0921 |
| 08 0601 | 08 0601 | 03 1110 | 03 1110 | 05 1020 | 05 1020 |
| 08 0614 | 08 0614 | 03 1115 | 03 1115 | 05 1112 | 05 1112 |
| 08 0620 | 08 0620 | 03 1116 | 03 1116 | 05 1117 | 05 1117 |
| 08 0622 | 08 0622 | 03 1118 | 03 1118 | 06 0101 | 06 0101 |
| 08 0705 | 08 0705 | 03 1122 | 03 1122 | 06 0125 | 06 0125 |
| 08 0725 | 08 0725 | 03 1201 | 03 1201 | 06 0131 | 06 0131 |
| 08 0802 | 08 0802 | 03 1205 | 03 1205 | 06 0311 | 06 0311 |
| 08 0807 | 08 0807 | 03 1211 | 03 1211 | 06 0411 | 06 0411 |
| 08 0910 | 08 0910 | 03 1224 | 03 1224 | 06 0712 | 06 0712 |
| 08 0919 | 08 0919 | 03 1225 | 03 1225 | 06 0824 | 06 0824 |
| 08 0924 | 08 0924 | 03 1226 | 03 1226 | 06 0830 | 06 0830 |
| 08 0927 | 08 0927 | 04 0104 | 04 0104 | 06 0902 | 06 0902 |
| 08 1009 | 08 1009 | 04 0227 | 04 0227 | 06 0906 | 06 0906 |
| 08 1011 | 08 1011 | 04 0229 | 04 0229 | 06 0918 | 06 0918 |
| 08 1012 | 08 1012 | 04 0305 | 04 0305 | 06 1018 | 06 1018 |
| 08 1013 | 08 1013 | 04 0307 | 04 0307 | 06 1024 | 06 1024 |
| 08 1014 | 08 1014 | 04 0309 | 04 0309 | 06 1025 | 06 1025 |
| 08 1023 | 08 1023 | 04 0317 | 04 0317 | 06 1030 | 06 1030 |
| 08 1110 | 08 1110 | 04 0525 | 04 0525 | 06 1102 | 06 1102 |
| 08 1125 | 08 1125 | 04 0529 | 04 0529 | 06 1112 | 06 1112 |
| 08 1221 | 08 1221 | 04 0701 | 04 0701 | 06 1118 | 06 1118 |
| 0.00 | 0.000 | 04 0705 | 04 0705 | 06 1130 | 06 1130 |
| 1750.00 | 10.127 | 04 0706 | 04 0706 | 07 0131 | 07 0131 |
| 2500.00 | 24.755 | 04 0707 | 04 0707 | 07 0207 | 07 0207 |
| 3800.00 | 38.788 | 04 0709 | 04 0709 | 07 0209 | 07 0209 |
| 5160.00 | 38.798 | 04 0719 | 04 0719 | 07 0210 | 07 0210 |
| 6700.00 | 39.836 | 04 0725 | 04 0725 | 07 0211 | 07 0211 |
| 8500.00 | 39.661 | 04 1007 | 04 1007 | 07 0214 | 07 0214 |
| 10000.00 | 39.010 | 04 1016 | 04 1016 | 07 0221 | 07 0221 |
| 12500.00 | 38.987 | 04 1105 | 04 1105 | 07 0325 | 07 0325 |
| 16000.00 | 39.133 | 04 1121 | 04 1121 | 07 0328 | 07 0328 |
| 24000.00 | 38.810 | 04 1128 | 04 1128 | 07 0329 | 07 0329 |
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| 50000.00 | 39.218 | 04 1218 | 04 1218 | 07 0428 | 07 0428 |
| 'CURVE09' | 184 13 0 0 | 05 0123 | 05 0123 | 07 0523 | 07 0523 |
| 03 0107 | 03 0107 | 05 0125 | 05 0125 | 07 0527 | 07 0527 |
| 03 0226 | 03 0226 | 05 0213 | 05 0213 | 07 0608 | 07 0608 |
| 03 0227 | 03 0227 | 05 0217 | 05 0217 | 07 0610 | 07 0610 |
| 03 0301 | 03 0301 | 05 0221 | 05 0221 | 07 0620 | 07 0620 |
| 03 0302 | 03 0302 | 05 0223 | 05 0223 | 07 0628 | 07 0628 |
| 03 0304 | 03 0304 | 05 0317 | 05 0317 | 07 0718 | 07 0718 |
| 03 0306 | 03 0306 | 05 0319 | 05 0319 | 07 0719 | 07 0719 |
| 03 0307 | 03 0307 | 05 0320 | 05 0320 | 07 0723 | 07 0723 |
| 03 0419 | 03 0419 | 05 0324 | 05 0324 | 07 0804 | 07 0804 |
| 03 0629 | 03 0629 | 05 0328 | 05 0328 | 07 0811 | 07 0811 |
| 03 0630 | 03 0630 | 05 0331 | 05 0331 | 07 0812 | 07 0812 |
| 03 0704 | 03 0704 | 05 0405 | 05 0405 | 07 0815 | 07 0815 |
| 03 0720 | 03 0720 | 05 0406 | 05 0406 | 07 0827 | 07 0827 |
| 03 0722 | 03 0722 | 05 0530 | 05 0530 | 07 0920 | 07 0920 |
| 03 0723 | 03 0723 | 05 0601 | 05 0601 | 07 1002 | 07 1002 |
| 03 0726 | 03 0726 | 05 0604 | 05 0604 | 07 1003 | 07 1003 |
| 03 0727 | 03 0727 | 05 0607 | 05 0607 | 07 1105 | 07 1105 |
| 03 0802 | 03 0802 | 05 0608 | 05 0608 | 07 1106 | 07 1106 |
| 03 0804 | 03 0804 | 05 0611 | 05 0611 | 07 1108 | 07 1108 |
| 03 0812 | 03 0812 | 05 0612 | 05 0612 | 07 1119 | 07 1119 |

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| 07 1204 | 07 1204 | 03 0305 | 03 0305 | 05 1111 | 05 1111 |
| 08 0127 | 08 0127 | 03 0319 | 03 0319 | 05 1122 | 05 1122 |
| 08 0221 | 08 0221 | 03 0403 | 03 0403 | 06 0304 | 06 0304 |
| 08 0224 | 08 0224 | 03 0707 | 03 0707 | 06 0310 | 06 0310 |
| 08 0301 | 08 0301 | 03 0709 | 03 0709 | 06 0410 | 06 0410 |
| 08 0310 | 08 0310 | 03 0805 | 03 0805 | 06 0711 | 06 0711 |
| 08 0311 | 08 0311 | 03 0808 | 03 0808 | 06 0823 | 06 0823 |
| 08 0321 | 08 0321 | 03 0819 | 03 0819 | 06 0904 | 06 0904 |
| 08 0426 | 08 0426 | 03 0902 | 03 0902 | 06 0916 | 06 0916 |
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| 08 0502 | 08 0502 | 03 0908 | 03 0908 | 06 0923 | 06 0923 |
| 08 0504 | 08 0504 | 03 0909 | 03 0909 | 06 0926 | 06 0926 |
| 08 0511 | 08 0511 | 03 0914 | 03 0914 | 06 0930 | 06 0930 |
| 08 0528 | 08 0528 | 03 0925 | 03 0925 | 06 1022 | 06 1022 |
| 08 0602 | 08 0602 | 03 1102 | 03 1102 | 06 1027 | 06 1027 |
| 08 0624 | 08 0624 | 03 1109 | 03 1109 | 07 0227 | 07 0227 |
| 08 0628 | 08 0628 | 03 1113 | 03 1113 | 07 0316 | 07 0316 |
| 08 0703 | 08 0703 | 03 1119 | 03 1119 | 07 0317 | 07 0317 |
| 08 0724 | 08 0724 | 03 1206 | 03 1206 | 07 0319 | 07 0319 |
| 08 0729 | 08 0729 | 03 1228 | 03 1228 | 07 0427 | 07 0427 |
| 08 0731 | 08 0731 | 04 0224 | 04 0224 | 07 0701 | 07 0701 |
| 08 0805 | 08 0805 | 04 0225 | 04 0225 | 07 0710 | 07 0710 |
| 08 0909 | 08 0909 | 04 0226 | 04 0226 | 07 0717 | 07 0717 |
| 08 0917 | 08 0917 | 04 0228 | 04 0228 | 07 0808 | 07 0808 |
| 08 0918 | 08 0918 | 04 0302 | 04 0302 | 07 0809 | 07 0809 |
| 08 0920 | 08 0920 | 04 0303 | 04 0303 | 07 0814 | 07 0814 |
| 08 0925 | 08 0925 | 04 0304 | 04 0304 | 07 0914 | 07 0914 |
| 08 1007 | 08 1007 | 04 0311 | 04 0311 | 07 0916 | 07 0916 |
| 08 1008 | 08 1008 | 04 0314 | 04 0314 | 07 0918 | 07 0918 |
| 08 1010 | 08 1010 | 04 0714 | 04 0714 | 07 0919 | 07 0919 |
| 08 1015 | 08 1015 | 04 0718 | 04 0718 | 07 0926 | 07 0926 |
| 08 1016 | 08 1016 | 04 0720 | 04 0720 | 07 0927 | 07 0927 |
| 08 1017 | 08 1017 | 04 0721 | 04 0721 | 07 0928 | 07 0928 |
| 08 1019 | 08 1019 | 04 1024 | 04 1024 | 07 0929 | 07 0929 |
| 08 1111 | 08 1111 | 04 1031 | 04 1031 | 07 0930 | 07 0930 |
| 08 1127 | 08 1127 | 04 1110 | 04 1110 | 07 1014 | 07 1014 |
| 08 1218 | 08 1218 | 04 1111 | 04 1111 | 07 1020 | 07 1020 |
| 0.00 | 0.000 | 04 1112 | 04 1112 | 07 1107 | 07 1107 |
| 1750.00 | 9.396 | 04 1114 | 04 1114 | 07 1112 | 07 1112 |
| 2500.00 | 22.969 | 04 1208 | 04 1208 | 07 1114 | 07 1114 |
| 3800.00 | 35.991 | 04 1229 | 04 1229 | 07 1115 | 07 1115 |
| 5160.00 | 36.000 | 05 0212 | 05 0212 | 07 1120 | 07 1120 |
| 6700.00 | 36.963 | 05 0214 | 05 0214 | 07 1123 | 07 1123 |
| 8500.00 | 36.801 | 05 0218 | 05 0218 | 07 1124 | 07 1124 |
| 10000.00 | 36.197 | 05 0222 | 05 0222 | 07 1205 | 07 1205 |
| 12500.00 | 36.175 | 05 0227 | 05 0227 | 08 0205 | 08 0205 |
| 16000.00 | 36.311 | 05 0321 | 05 0321 | 08 0228 | 08 0228 |
| 24000.00 | 36.012 | 05 0503 | 05 0503 | 08 0401 | 08 0401 |
| 28000.00 | 36.052 | 05 0531 | 05 0531 | 08 0425 | 08 0425 |
| 50000.00 | 36.390 | 05 0730 | 05 0730 | 08 0429 | 08 0429 |
| 'CURVE10' | 163 13 0 0 | 05 0806 | 05 0806 | 08 0503 | 08 0503 |
| 03 0113 | 03 0113 | 05 0828 | 05 0828 | 08 0510 | 08 0510 |
| 03 0117 | 03 0117 | 05 0915 | 05 0915 | 08 0606 | 08 0606 |
| 03 0127 | 03 0127 | 05 0916 | 05 0916 | 08 0610 | 08 0610 |
| 03 0205 | 03 0205 | 05 0920 | 05 0920 | 08 0611 | 08 0611 |
| 03 0207 | 03 0207 | 05 0924 | 05 0924 | 08 0615 | 08 0615 |
| 03 0208 | 03 0208 | 05 0926 | 05 0926 | 08 0623 | 08 0623 |
| 03 0209 | 03 0209 | 05 1005 | 05 1005 | 08 0702 | 08 0702 |
| 03 0212 | 03 0212 | 05 1006 | 05 1006 | 08 0715 | 08 0715 |
| 03 0219 | 03 0219 | 05 1012 | 05 1012 | 08 0716 | 08 0716 |
| 03 0222 | 03 0222 | 05 1017 | 05 1017 | 08 0717 | 08 0717 |
| 03 0225 | 03 0225 | 05 1025 | 05 1025 | 08 0720 | 08 0720 |

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|-----------|------------|---------|---------|-----------|------------|
| 08 0721 | 08 0721 | 03 0915 | 03 0915 | 07 0810 | 07 0810 |
| 08 0726 | 08 0726 | 03 0916 | 03 0916 | 07 0820 | 07 0820 |
| 08 0727 | 08 0727 | 03 0918 | 03 0918 | 07 0831 | 07 0831 |
| 08 0728 | 08 0728 | 03 0922 | 03 0922 | 07 1011 | 07 1011 |
| 08 0806 | 08 0806 | 03 0923 | 03 0923 | 07 1016 | 07 1016 |
| 08 0911 | 08 0911 | 03 0924 | 03 0924 | 07 1019 | 07 1019 |
| 08 0912 | 08 0912 | 03 0928 | 03 0928 | 07 1102 | 07 1102 |
| 08 0913 | 08 0913 | 03 1129 | 03 1129 | 07 1116 | 07 1116 |
| 08 0914 | 08 0914 | 03 1220 | 03 1220 | 07 1121 | 07 1121 |
| 08 0921 | 08 0921 | 04 0219 | 04 0219 | 07 1203 | 07 1203 |
| 08 0922 | 08 0922 | 04 0223 | 04 0223 | 07 1228 | 07 1228 |
| 08 1003 | 08 1003 | 04 0306 | 04 0306 | 08 0330 | 08 0330 |
| 08 1004 | 08 1004 | 04 0316 | 04 0316 | 08 0331 | 08 0331 |
| 08 1005 | 08 1005 | 04 0522 | 04 0522 | 08 0501 | 08 0501 |
| 08 1006 | 08 1006 | 04 0523 | 04 0523 | 08 0527 | 08 0527 |
| 08 1018 | 08 1018 | 04 0711 | 04 0711 | 08 0607 | 08 0607 |
| 08 1021 | 08 1021 | 04 1014 | 04 1014 | 08 0612 | 08 0612 |
| 08 1022 | 08 1022 | 04 1017 | 04 1017 | 08 0613 | 08 0613 |
| 08 1024 | 08 1024 | 04 1021 | 04 1021 | 08 0626 | 08 0626 |
| 08 1025 | 08 1025 | 04 1108 | 04 1108 | 08 0627 | 08 0627 |
| 08 1031 | 08 1031 | 04 1109 | 04 1109 | 08 0630 | 08 0630 |
| 08 1112 | 08 1112 | 04 1211 | 04 1211 | 08 0707 | 08 0707 |
| 08 1118 | 08 1118 | 05 0103 | 05 0103 | 08 0730 | 08 0730 |
| 08 1119 | 08 1119 | 05 0122 | 05 0122 | 08 0803 | 08 0803 |
| 08 1126 | 08 1126 | 05 0215 | 05 0215 | 08 0915 | 08 0915 |
| 08 1229 | 08 1229 | 05 0219 | 05 0219 | 08 0916 | 08 0916 |
| 0.00 | 0.000 | 05 0228 | 05 0228 | 08 0923 | 08 0923 |
| 1750.00 | 8.587 | 05 0301 | 05 0301 | 08 0928 | 08 0928 |
| 2500.00 | 20.992 | 05 0318 | 05 0318 | 08 0929 | 08 0929 |
| 3800.00 | 32.892 | 05 0614 | 05 0614 | 08 0930 | 08 0930 |
| 5160.00 | 32.901 | 05 0620 | 05 0620 | 08 1001 | 08 1001 |
| 6700.00 | 33.781 | 05 0801 | 05 0801 | 08 1002 | 08 1002 |
| 8500.00 | 33.633 | 05 0805 | 05 0805 | 08 1020 | 08 1020 |
| 10000.00 | 33.081 | 05 0808 | 05 0808 | 08 1026 | 08 1026 |
| 12500.00 | 33.061 | 05 0830 | 05 0830 | 08 1027 | 08 1027 |
| 16000.00 | 33.185 | 05 0922 | 05 0922 | 08 1028 | 08 1028 |
| 24000.00 | 32.912 | 05 0930 | 05 0930 | 08 1029 | 08 1029 |
| 28000.00 | 32.948 | 05 1013 | 05 1013 | 0.00 | 0.000 |
| 50000.00 | 33.257 | 05 1014 | 05 1014 | 1750.00 | 7.907 |
| 'CURVE11' | 123 13 0 0 | 05 1015 | 05 1015 | 2500.00 | 19.328 |
| 03 0102 | 03 0102 | 05 1115 | 05 1115 | 3800.00 | 30.285 |
| 03 0104 | 03 0104 | 05 1116 | 05 1116 | 5160.00 | 30.293 |
| 03 0118 | 03 0118 | 05 1120 | 05 1120 | 6700.00 | 31.103 |
| 03 0128 | 03 0128 | 05 1123 | 05 1123 | 8500.00 | 30.967 |
| 03 0206 | 03 0206 | 06 0130 | 06 0130 | 10000.00 | 30.458 |
| 03 0210 | 03 0210 | 06 0309 | 06 0309 | 12500.00 | 30.440 |
| 03 0211 | 03 0211 | 06 0521 | 06 0521 | 16000.00 | 30.554 |
| 03 0213 | 03 0213 | 06 0822 | 06 0822 | 24000.00 | 30.302 |
| 03 0215 | 03 0215 | 06 0905 | 06 0905 | 28000.00 | 30.336 |
| 03 0216 | 03 0216 | 06 0907 | 06 0907 | 50000.00 | 30.621 |
| 03 0223 | 03 0223 | 06 0922 | 06 0922 | 'CURVE12' | 104 13 0 0 |
| 03 0224 | 03 0224 | 06 0929 | 06 0929 | 03 0105 | 03 0105 |
| 03 0303 | 03 0303 | 06 1001 | 06 1001 | 03 0106 | 03 0106 |
| 03 0310 | 03 0310 | 06 1002 | 06 1002 | 03 0112 | 03 0112 |
| 03 0311 | 03 0311 | 06 1005 | 06 1005 | 03 0116 | 03 0116 |
| 03 0312 | 03 0312 | 06 1009 | 06 1009 | 03 0130 | 03 0130 |
| 03 0324 | 03 0324 | 06 1013 | 06 1013 | 03 0131 | 03 0131 |
| 03 0330 | 03 0330 | 06 1110 | 06 1110 | 03 0202 | 03 0202 |
| 03 0506 | 03 0506 | 07 0119 | 07 0119 | 03 0204 | 03 0204 |
| 03 0711 | 03 0711 | 07 0120 | 07 0120 | 03 0214 | 03 0214 |
| 03 0713 | 03 0713 | 07 0208 | 07 0208 | 03 0217 | 03 0217 |
| 03 0714 | 03 0714 | 07 0506 | 07 0506 | 03 0220 | 03 0220 |
| 03 0905 | 03 0905 | 07 0708 | 07 0708 | 03 0309 | 03 0309 |

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|---------|---------|----------------------|---------|---------------|---------|
| 03 0314 | 03 0314 | 07 1001 | 07 1001 | 04 0215 | 04 0215 |
| 03 0315 | 03 0315 | 07 1004 | 07 1004 | 04 0310 | 04 0310 |
| 03 0316 | 03 0316 | 07 1012 | 07 1012 | 04 0408 | 04 0408 |
| 03 0317 | 03 0317 | 07 1013 | 07 1013 | 04 0710 | 04 0710 |
| 03 0321 | 03 0321 | 07 1023 | 07 1023 | 04 0713 | 04 0713 |
| 03 0323 | 03 0323 | 07 1027 | 07 1027 | 04 1018 | 04 1018 |
| 03 0328 | 03 0328 | 07 1028 | 07 1028 | 04 1020 | 04 1020 |
| 03 0329 | 03 0329 | 07 1031 | 07 1031 | 04 1107 | 04 1107 |
| 03 0712 | 03 0712 | 07 1103 | 07 1103 | 05 0121 | 05 0121 |
| 03 0724 | 03 0724 | 07 1113 | 07 1113 | 05 0211 | 05 0211 |
| 03 0725 | 03 0725 | 07 1226 | 07 1226 | 05 0414 | 05 0414 |
| 03 0904 | 03 0904 | 07 1229 | 07 1229 | 05 0514 | 05 0514 |
| 03 0913 | 03 0913 | 08 0209 | 08 0209 | 05 0617 | 05 0617 |
| 03 0917 | 03 0917 | 08 0222 | 08 0222 | 05 0802 | 05 0802 |
| 03 0926 | 03 0926 | 08 0223 | 08 0223 | 05 0816 | 05 0816 |
| 03 0927 | 03 0927 | 08 0229 | 08 0229 | 05 0824 | 05 0824 |
| 03 1108 | 03 1108 | 08 0315 | 08 0315 | 05 0831 | 05 0831 |
| 03 1128 | 03 1128 | 08 0414 | 08 0414 | 05 0902 | 05 0902 |
| 03 1223 | 03 1223 | 08 0430 | 08 0430 | 05 0906 | 05 0906 |
| 04 0103 | 04 0103 | 08 0608 | 08 0608 | 05 0919 | 05 0919 |
| 04 0209 | 04 0209 | 08 0625 | 08 0625 | 05 0927 | 05 0927 |
| 04 0401 | 04 0401 | 08 0701 | 08 0701 | 05 0929 | 05 0929 |
| 04 0516 | 04 0516 | 08 0710 | 08 0710 | 05 1001 | 05 1001 |
| 04 0601 | 04 0601 | 08 0714 | 08 0714 | 05 1002 | 05 1002 |
| 04 0712 | 04 0712 | 08 0719 | 08 0719 | 05 1003 | 05 1003 |
| 04 1106 | 04 1106 | 08 1030 | 08 1030 | 05 1011 | 05 1011 |
| 04 1113 | 04 1113 | 08 1102 | 08 1102 | 05 1016 | 05 1016 |
| 04 1228 | 04 1228 | 08 1104 | 08 1104 | 05 1125 | 05 1125 |
| 05 0101 | 05 0101 | 08 1124 | 08 1124 | 06 0604 | 06 0604 |
| 05 0613 | 05 0613 | 0.00 0.000 | | 06 0829 | 06 0829 |
| 05 0615 | 05 0615 | 1750.00 7.307 | | 06 0921 | 06 0921 |
| 05 0731 | 05 0731 | 2500.00 17.863 | | 06 1007 | 06 1007 |
| 05 0804 | 05 0804 | 3800.00 27.989 | | 06 1031 | 06 1031 |
| 05 0813 | 05 0813 | 5160.00 27.996 | | 06 1101 | 06 1101 |
| 05 0815 | 05 0815 | 6700.00 28.745 | | 07 0126 | 07 0126 |
| 05 0817 | 05 0817 | 8500.00 28.619 | | 07 0218 | 07 0218 |
| 05 0818 | 05 0818 | 10000.00 28.149 | | 07 0326 | 07 0326 |
| 05 0821 | 05 0821 | 12500.00 28.132 | | 07 0426 | 07 0426 |
| 05 0822 | 05 0822 | 16000.00 28.238 | | 07 0713 | 07 0713 |
| 05 0823 | 05 0823 | 24000.00 28.005 | | 07 0909 | 07 0909 |
| 05 0827 | 05 0827 | 28000.00 28.036 | | 07 0912 | 07 0912 |
| 05 0829 | 05 0829 | 50000.00 28.299 | | 07 1008 | 07 1008 |
| 05 0901 | 05 0901 | 'CURVE13' 081 13 0 0 | | 07 1010 | 07 1010 |
| 05 1031 | 05 1031 | 03 0115 | 03 0115 | 07 1015 | 07 1015 |
| 05 1128 | 05 1128 | 03 0119 | 03 0119 | 07 1017 | 07 1017 |
| 06 0516 | 06 0516 | 03 0120 | 03 0120 | 07 1025 | 07 1025 |
| 06 0520 | 06 0520 | 03 0122 | 03 0122 | 07 1029 | 07 1029 |
| 06 0903 | 06 0903 | 03 0129 | 03 0129 | 07 1030 | 07 1030 |
| 06 1003 | 06 1003 | 03 0201 | 03 0201 | 08 0130 | 08 0130 |
| 06 1004 | 06 1004 | 03 0203 | 03 0203 | 08 0203 | 08 0203 |
| 06 1006 | 06 1006 | 03 0218 | 03 0218 | 08 0204 | 08 0204 |
| 06 1008 | 06 1008 | 03 0308 | 03 0308 | 08 0217 | 08 0217 |
| 07 0204 | 07 0204 | 03 0318 | 03 0318 | 08 0318 | 08 0318 |
| 07 0219 | 07 0219 | 03 0327 | 03 0327 | 08 0424 | 08 0424 |
| 07 0301 | 07 0301 | 03 0331 | 03 0331 | 08 0629 | 08 0629 |
| 07 0318 | 07 0318 | 03 0502 | 03 0502 | 08 0713 | 08 0713 |
| 07 0504 | 07 0504 | 03 0906 | 03 0906 | 08 0722 | 08 0722 |
| 07 0711 | 07 0711 | 03 1001 | 03 1001 | 08 0723 | 08 0723 |
| 07 0712 | 07 0712 | 03 1106 | 03 1106 | 08 0816 | 08 0816 |
| 07 0714 | 07 0714 | 03 1127 | 03 1127 | 08 1101 | 08 1101 |
| 07 0806 | 07 0806 | 03 1227 | 03 1227 | 08 1109 | 08 1109 |
| 07 0913 | 07 0913 | 04 0117 | 04 0117 | 0.00 0.000 | |
| 07 0915 | 07 0915 | 04 0212 | 04 0212 | 1750.00 6.517 | |

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|-----------|------------|-----------|------------|-----------|------------|----|------|
| 2500.00 | 15.932 | 1750.00 | 5.670 | 03 | 0326 | 03 | 0326 |
| 3800.00 | 24.963 | 2500.00 | 13.861 | 03 | 1126 | 03 | 1126 |
| 5160.00 | 24.970 | 3800.00 | 21.719 | 03 | 1213 | 03 | 1213 |
| 6700.00 | 25.638 | 5160.00 | 21.725 | 03 | 1221 | 03 | 1221 |
| 8500.00 | 25.525 | 6700.00 | 22.307 | 04 | 0118 | 04 | 0118 |
| 10000.00 | 25.106 | 8500.00 | 22.208 | 04 | 0124 | 04 | 0124 |
| 12500.00 | 25.091 | 10000.00 | 21.844 | 04 | 0203 | 04 | 0203 |
| 16000.00 | 25.185 | 12500.00 | 21.831 | 04 | 0210 | 04 | 0210 |
| 24000.00 | 24.978 | 16000.00 | 21.913 | 04 | 0211 | 04 | 0211 |
| 28000.00 | 25.006 | 24000.00 | 21.732 | 04 | 0213 | 04 | 0213 |
| 50000.00 | 25.240 | 28000.00 | 21.756 | 04 | 0221 | 04 | 0221 |
| 'CURVE14' | 050 13 0 0 | 50000.00 | 21.960 | 04 | 0222 | 04 | 0222 |
| 03 | 0111 | 03 | 0111 | 04 | 0530 | 04 | 0530 |
| 03 | 0123 | 03 | 0123 | 04 | 0531 | 04 | 0531 |
| 03 | 0124 | 03 | 0124 | 04 | 0708 | 04 | 0708 |
| 03 | 0829 | 03 | 0829 | 05 | 0206 | 05 | 0206 |
| 03 | 1222 | 03 | 1222 | 05 | 0410 | 05 | 0410 |
| 04 | 0218 | 04 | 0218 | 05 | 1103 | 05 | 1103 |
| 04 | 0220 | 04 | 0220 | 06 | 0222 | 06 | 0222 |
| 04 | 0409 | 04 | 0409 | 06 | 0519 | 06 | 0519 |
| 04 | 0703 | 04 | 0703 | 06 | 0709 | 06 | 0709 |
| 04 | 0729 | 04 | 0729 | 06 | 0924 | 06 | 0924 |
| 04 | 1019 | 04 | 1019 | 07 | 0217 | 07 | 0217 |
| 04 | 1209 | 04 | 1209 | 07 | 0228 | 07 | 0228 |
| 04 | 1210 | 04 | 1210 | 07 | 0621 | 07 | 0621 |
| 05 | 0126 | 05 | 0126 | 08 | 0201 | 08 | 0201 |
| 05 | 0208 | 05 | 0208 | 08 | 0420 | 08 | 0420 |
| 05 | 0209 | 05 | 0209 | 08 | 0422 | 08 | 0422 |
| 05 | 0210 | 05 | 0210 | 0.00 | 0.000 | | |
| 05 | 0820 | 05 | 0820 | 1750.00 | 4.320 | | |
| 05 | 0904 | 05 | 0904 | 2500.00 | 10.561 | | |
| 05 | 0905 | 05 | 0905 | 3800.00 | 16.548 | | |
| 05 | 0907 | 05 | 0907 | 5160.00 | 16.552 | | |
| 05 | 0917 | 05 | 0917 | 6700.00 | 16.995 | | |
| 05 | 0928 | 05 | 0928 | 8500.00 | 16.921 | | |
| 05 | 1004 | 05 | 1004 | 10000.00 | 16.643 | | |
| 05 | 1018 | 05 | 1018 | 12500.00 | 16.633 | | |
| 06 | 0128 | 06 | 0128 | 16000.00 | 16.695 | | |
| 06 | 0412 | 06 | 0412 | 24000.00 | 16.558 | | |
| 06 | 0710 | 06 | 0710 | 28000.00 | 16.576 | | |
| 06 | 1107 | 06 | 1107 | 50000.00 | 16.732 | | |
| 06 | 1211 | 06 | 1211 | 'CURVE17' | 015 13 0 0 | | |
| 07 | 0206 | 07 | 0206 | 04 | 0114 | 04 | 0114 |
| 07 | 0224 | 07 | 0224 | 04 | 0116 | 04 | 0116 |
| 07 | 0425 | 07 | 0425 | 04 | 0123 | 04 | 0123 |
| 07 | 0709 | 07 | 0709 | 04 | 0127 | 04 | 0127 |
| 07 | 0715 | 07 | 0715 | 04 | 0207 | 04 | 0207 |
| 07 | 0819 | 07 | 0819 | 04 | 0704 | 04 | 0704 |
| 07 | 1018 | 07 | 1018 | 05 | 0202 | 05 | 0202 |
| 07 | 1021 | 07 | 1021 | 05 | 0203 | 05 | 0203 |
| 07 | 1026 | 07 | 1026 | 05 | 0205 | 05 | 0205 |
| 07 | 1101 | 07 | 1101 | 05 | 1010 | 05 | 1010 |
| 07 | 1207 | 07 | 1207 | 05 | 1105 | 05 | 1105 |
| 07 | 1227 | 07 | 1227 | 05 | 1121 | 05 | 1121 |
| 08 | 0120 | 08 | 0120 | 06 | 1109 | 06 | 1109 |
| 08 | 0123 | 08 | 0123 | 07 | 0216 | 07 | 0216 |
| 08 | 0202 | 08 | 0202 | 08 | 0121 | 08 | 0121 |
| 08 | 0320 | 08 | 0320 | 0.00 | 0.000 | | |
| 08 | 0423 | 08 | 0423 | 1750.00 | 3.438 | | |
| 08 | 1103 | 08 | 1103 | 2500.00 | 8.405 | | |
| 08 | 1105 | 08 | 1105 | 3800.00 | 13.169 | | |
| 08 | 1114 | 08 | 1114 | 5160.00 | 13.172 | | |
| 0.00 | 0.000 | | | 6700.00 | 13.525 | | |
| | | 'CURVE15' | 036 13 0 0 | | | | |
| | | 03 | 0114 | 03 | 0114 | | |
| | | 03 | 0121 | 03 | 0121 | | |
| | | 03 | 0125 | 03 | 0125 | | |
| | | 03 | 0126 | 03 | 0126 | | |
| | | 03 | 0401 | 03 | 0401 | | |
| | | 03 | 0402 | 03 | 0402 | | |
| | | 03 | 1212 | 03 | 1212 | | |
| | | 04 | 0119 | 04 | 0119 | | |
| | | 04 | 0208 | 04 | 0208 | | |
| | | 04 | 0301 | 04 | 0301 | | |
| | | 04 | 0308 | 04 | 0308 | | |
| | | 04 | 1022 | 04 | 1022 | | |
| | | 04 | 1023 | 04 | 1023 | | |
| | | 04 | 1125 | 04 | 1125 | | |
| | | 05 | 0104 | 05 | 0104 | | |
| | | 05 | 0326 | 05 | 0326 | | |
| | | 05 | 0710 | 05 | 0710 | | |
| | | 05 | 0903 | 05 | 0903 | | |
| | | 05 | 0918 | 05 | 0918 | | |
| | | 05 | 0923 | 05 | 0923 | | |
| | | 05 | 1019 | 05 | 1019 | | |
| | | 05 | 1101 | 05 | 1101 | | |
| | | 05 | 1102 | 05 | 1102 | | |
| | | 05 | 1119 | 05 | 1119 | | |
| | | 06 | 1127 | 06 | 1127 | | |
| | | 06 | 1129 | 06 | 1129 | | |
| | | 07 | 0205 | 07 | 0205 | | |
| | | 07 | 0302 | 07 | 0302 | | |
| | | 07 | 0505 | 07 | 0505 | | |
| | | 07 | 0720 | 07 | 0720 | | |
| | | 07 | 1024 | 07 | 1024 | | |
| | | 07 | 1209 | 07 | 1209 | | |
| | | 08 | 0216 | 08 | 0216 | | |
| | | 08 | 0609 | 08 | 0609 | | |
| | | 08 | 0804 | 08 | 0804 | | |
| | | 08 | 1106 | 08 | 1106 | | |
| | | 0.00 | 0.000 | | | | |
| | | 1750.00 | 4.969 | | | | |
| | | 2500.00 | 12.148 | | | | |
| | | 3800.00 | 19.034 | | | | |
| | | 5160.00 | 19.039 | | | | |
| | | 6700.00 | 19.549 | | | | |
| | | 8500.00 | 19.463 | | | | |
| | | 10000.00 | 19.143 | | | | |
| | | 12500.00 | 19.132 | | | | |
| | | 16000.00 | 19.203 | | | | |
| | | 24000.00 | 19.045 | | | | |
| | | 28000.00 | 19.066 | | | | |
| | | 50000.00 | 19.245 | | | | |
| | | 'CURVE16' | 028 13 0 0 | | | | |

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|-----------|------------|-----------|------------|
| 8500.00 | 13.465 | 24000.00 | 7.916 |
| 10000.00 | 13.244 | 28000.00 | 7.925 |
| 12500.00 | 13.237 | 50000.00 | 7.999 |
| 16000.00 | 13.286 | 'CURVE20' | 019 13 0 0 |
| 24000.00 | 13.177 | 03 1104 | 03 1104 |
| 28000.00 | 13.191 | 04 0121 | 04 0121 |
| 50000.00 | 13.315 | 04 0122 | 04 0122 |
| 'CURVE18' | 020 13 0 0 | 04 0126 | 04 0126 |
| 03 1103 | 03 1103 | 04 0130 | 04 0130 |
| 03 1105 | 03 1105 | 04 0217 | 04 0217 |
| 03 1231 | 03 1231 | 05 0128 | 05 0128 |
| 04 0115 | 04 0115 | 05 0129 | 05 0129 |
| 04 0120 | 04 0120 | 05 0130 | 05 0130 |
| 04 0125 | 04 0125 | 05 0201 | 05 0201 |
| 04 0128 | 04 0128 | 05 0411 | 05 0411 |
| 04 0201 | 04 0201 | 05 0412 | 05 0412 |
| 04 0202 | 04 0202 | 05 1104 | 05 1104 |
| 04 0204 | 04 0204 | 05 1127 | 05 1127 |
| 04 0205 | 04 0205 | 06 0129 | 06 0129 |
| 04 0206 | 04 0206 | 06 0227 | 06 0227 |
| 04 0214 | 04 0214 | 06 1128 | 06 1128 |
| 05 0204 | 05 0204 | 08 1107 | 08 1107 |
| 05 0413 | 05 0413 | 08 1230 | 08 1230 |
| 05 1008 | 05 1008 | 0.00 | 0.000 |
| 06 0223 | 06 0223 | 1750.00 | 1.287 |
| 07 0225 | 07 0225 | 2500.00 | 3.147 |
| 07 0226 | 07 0226 | 3800.00 | 4.930 |
| 08 0131 | 08 0131 | 5160.00 | 4.932 |
| 0.00 | 0.000 | 6700.00 | 5.064 |
| 1750.00 | 2.830 | 8500.00 | 5.041 |
| 2500.00 | 6.917 | 10000.00 | 4.959 |
| 3800.00 | 10.839 | 12500.00 | 4.956 |
| 5160.00 | 10.842 | 16000.00 | 4.974 |
| 6700.00 | 11.132 | 24000.00 | 4.933 |
| 8500.00 | 11.083 | 28000.00 | 4.939 |
| 10000.00 | 10.901 | 50000.00 | 4.985 |
| 12500.00 | 10.894 | | |
| 16000.00 | 10.935 | | |
| 24000.00 | 10.845 | | |
| 28000.00 | 10.857 | | |
| 50000.00 | 10.959 | | |
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| 03 0325 | 03 0325 | | |
| 04 0131 | 04 0131 | | |
| 05 0127 | 05 0127 | | |
| 05 0131 | 05 0131 | | |
| 05 0207 | 05 0207 | | |
| 05 1126 | 05 1126 | | |
| 06 1108 | 06 1108 | | |
| 07 0215 | 07 0215 | | |
| 07 1208 | 07 1208 | | |
| 08 0319 | 08 0319 | | |
| 08 1231 | 08 1231 | | |
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| 1750.00 | 2.065 | | |
| 2500.00 | 5.049 | | |
| 3800.00 | 7.911 | | |
| 5160.00 | 7.913 | | |
| 6700.00 | 8.125 | | |
| 8500.00 | 8.089 | | |
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HWBEG Input File for Upper Mechanicville

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 2
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
14
'UPPERMECH' 'GENERAL' 20
'CURVE01' 005 13 0 0 | 05 0216 05 0216 | 6029.00 281.430
05 0322 05 0322 | 05 0217 05 0217 | 7220.00 338.888
05 0323 05 0323 | 05 0316 05 0316 | 8248.00 393.623
05 0325 05 0325 | 05 0324 05 0324 | 13000.00 514.223
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6029.00 315.627 | 07 0627 07 0627 | 100000.00 271.849
7220.00 380.067 | 07 0714 07 0714 | 'CURVE03' 137 13 0 0
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'CURVE02' 019 13 0 0 | 2080.00 98.582 | 03 0501 03 0501
05 0211 05 0211 | 4306.00 185.903 | 03 0705 03 0705

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| 04 1219 | 04 1219 | 07 0619 | 07 0619 | 03 0701 | 03 0701 |
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| 05 0213 | 05 0213 | 07 0626 | 07 0626 | 03 0716 | 03 0716 |
| 05 0224 | 05 0224 | 07 0702 | 07 0702 | 03 0717 | 03 0717 |
| 05 0225 | 05 0225 | 07 0706 | 07 0706 | 03 0722 | 03 0722 |
| 05 0226 | 05 0226 | 07 0709 | 07 0709 | 03 0728 | 03 0728 |
| 05 0227 | 05 0227 | 07 0712 | 07 0712 | 04 0212 | 04 0212 |
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| 05 0613 | 05 0613 | 07 0814 | 07 0814 | 05 0117 | 05 0117 |
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| 05 0801 | 05 0801 | 07 1106 | 07 1106 | 05 0212 | 05 0212 |
| 05 0802 | 05 0802 | 07 1202 | 07 1202 | 05 0214 | 05 0214 |
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| 05 0823 | 05 0823 | 07 1205 | 07 1205 | 05 0220 | 05 0220 |
| 05 0826 | 05 0826 | 07 1213 | 07 1213 | 05 0221 | 05 0221 |
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| 05 1203 | 05 1203 | 08 0202 | 08 0202 | 05 0307 | 05 0307 |
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| 05 1211 | 05 1211 | 08 0223 | 08 0223 | 05 0314 | 05 0314 |
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| 07 0118 | 07 0118 | 08 0423 | 08 0423 | 05 0702 | 05 0702 |
| 07 0119 | 07 0119 | 08 0426 | 08 0426 | 05 0730 | 05 0730 |
| 07 0120 | 07 0120 | 08 0520 | 08 0520 | 05 0815 | 05 0815 |
| 07 0129 | 07 0129 | 08 0912 | 08 0912 | 05 0816 | 05 0816 |
| 07 0130 | 07 0130 | 08 1025 | 08 1025 | 05 0824 | 05 0824 |

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| 05 1125 | 05 1125 | 08 0406 | 08 0406 | 04 1002 | 04 1002 |
| 05 1126 | 05 1126 | 08 0407 | 08 0407 | 04 1008 | 04 1008 |
| 05 1127 | 05 1127 | 08 0408 | 08 0408 | 04 1009 | 04 1009 |
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| 07 0203 | 07 0203 | 08 0424 | 08 0424 | 04 1104 | 04 1104 |
| 07 0228 | 07 0228 | 08 0425 | 08 0425 | 04 1116 | 04 1116 |
| 07 0302 | 07 0302 | 08 0429 | 08 0429 | 04 1119 | 04 1119 |
| 07 0311 | 07 0311 | 08 1020 | 08 1020 | 04 1123 | 04 1123 |
| 07 0526 | 07 0526 | 08 1021 | 08 1021 | 04 1205 | 04 1205 |
| 07 0531 | 07 0531 | 08 1205 | 08 1205 | 04 1206 | 04 1206 |
| 07 0601 | 07 0601 | 08 1206 | 08 1206 | 04 1207 | 04 1207 |
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| 07 0621 | 07 0621 | 7220.00 | 310.980 | 04 1213 | 04 1213 |
| 07 0623 | 07 0623 | 8248.00 | 361.208 | 04 1220 | 04 1220 |
| 07 0625 | 07 0625 | 13000.00 | 471.877 | 04 1223 | 04 1223 |
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| 07 0701 | 07 0701 | 21000.00 | 459.669 | 05 0105 | 05 0105 |
| 07 0708 | 07 0708 | 29000.00 | 392.898 | 05 0113 | 05 0113 |
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| 07 0722 | 07 0722 | 100000.00 | 249.462 | 05 0605 | 05 0605 |
| 07 0730 | 07 0730 | 'CURVE05' | 142 13 0 0 | 05 0610 | 05 0610 |
| 07 0801 | 07 0801 | 03 0101 | 03 0101 | 05 0718 | 05 0718 |
| 07 0806 | 07 0806 | 03 0103 | 03 0103 | 05 0723 | 05 0723 |
| 07 0808 | 07 0808 | 03 0105 | 03 0105 | 05 0731 | 05 0731 |
| 07 0809 | 07 0809 | 03 0106 | 03 0106 | 05 0803 | 05 0803 |
| 07 0818 | 07 0818 | 03 0308 | 03 0308 | 05 0813 | 05 0813 |
| 07 0819 | 07 0819 | 03 0502 | 03 0502 | 05 0814 | 05 0814 |
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| 07 1105 | 07 1105 | 03 0624 | 03 0624 | 05 1020 | 05 1020 |
| 07 1111 | 07 1111 | 03 0702 | 03 0702 | 05 1129 | 05 1129 |
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| 07 1214 | 07 1214 | 03 0721 | 03 0721 | 05 1207 | 05 1207 |
| 07 1215 | 07 1215 | 03 0726 | 03 0726 | 05 1216 | 05 1216 |
| 07 1221 | 07 1221 | 03 0807 | 03 0807 | 05 1221 | 05 1221 |
| 07 1222 | 07 1222 | 03 0825 | 03 0825 | 05 1222 | 05 1222 |
| 07 1223 | 07 1223 | 03 0827 | 03 0827 | 05 1223 | 05 1223 |
| 08 0115 | 08 0115 | 03 0907 | 03 0907 | 05 1224 | 05 1224 |
| 08 0118 | 08 0118 | 04 0101 | 04 0101 | 05 1225 | 05 1225 |
| 08 0119 | 08 0119 | 04 0102 | 04 0102 | 05 1228 | 05 1228 |
| 08 0124 | 08 0124 | 04 0103 | 04 0103 | 05 1229 | 05 1229 |
| 08 0127 | 08 0127 | 04 0104 | 04 0104 | 07 0101 | 07 0101 |
| 08 0128 | 08 0128 | 04 0105 | 04 0105 | 07 0106 | 07 0106 |
| 08 0209 | 08 0209 | 04 0106 | 04 0106 | 07 0113 | 07 0113 |
| 08 0215 | 08 0215 | 04 0107 | 04 0107 | 07 0114 | 07 0114 |
| 08 0216 | 08 0216 | 04 0113 | 04 0113 | 07 0115 | 07 0115 |
| 08 0217 | 08 0217 | 04 0119 | 04 0119 | 07 0122 | 07 0122 |
| 08 0222 | 08 0222 | 04 0325 | 04 0325 | 07 0128 | 07 0128 |
| 08 0226 | 08 0226 | 04 0406 | 04 0406 | 07 0201 | 07 0201 |
| 08 0323 | 08 0323 | 04 0409 | 04 0409 | 07 0204 | 07 0204 |
| 08 0324 | 08 0324 | 04 0416 | 04 0416 | 07 0226 | 07 0226 |
| 08 0325 | 08 0325 | 04 0520 | 04 0520 | 07 0301 | 07 0301 |
| 08 0329 | 08 0329 | 04 0707 | 04 0707 | 07 0309 | 07 0309 |

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| 07 0314 | 07 0314 | 03 0112 | 03 0112 | 04 0317 | 04 0317 |
| 07 0413 | 07 0413 | 03 0118 | 03 0118 | 04 0323 | 04 0323 |
| 07 0428 | 07 0428 | 03 0122 | 03 0122 | 04 0324 | 04 0324 |
| 07 0518 | 07 0518 | 03 0302 | 03 0302 | 04 0401 | 04 0401 |
| 07 0519 | 07 0519 | 03 0309 | 03 0309 | 04 0402 | 04 0402 |
| 07 0529 | 07 0529 | 03 0413 | 03 0413 | 04 0407 | 04 0407 |
| 07 0622 | 07 0622 | 03 0414 | 03 0414 | 04 0411 | 04 0411 |
| 07 0705 | 07 0705 | 03 0415 | 03 0415 | 04 0412 | 04 0412 |
| 07 0715 | 07 0715 | 03 0423 | 03 0423 | 04 0418 | 04 0418 |
| 07 0721 | 07 0721 | 03 0424 | 03 0424 | 04 0419 | 04 0419 |
| 07 0728 | 07 0728 | 03 0503 | 03 0503 | 04 0513 | 04 0513 |
| 07 0729 | 07 0729 | 03 0504 | 03 0504 | 04 0517 | 04 0517 |
| 07 0810 | 07 0810 | 03 0511 | 03 0511 | 04 0601 | 04 0601 |
| 07 0812 | 07 0812 | 03 0513 | 03 0513 | 04 0602 | 04 0602 |
| 07 0816 | 07 0816 | 03 0516 | 03 0516 | 04 0614 | 04 0614 |
| 07 0820 | 07 0820 | 03 0605 | 03 0605 | 04 0615 | 04 0615 |
| 07 0821 | 07 0821 | 03 0620 | 03 0620 | 04 0620 | 04 0620 |
| 07 0912 | 07 0912 | 03 0626 | 03 0626 | 04 0623 | 04 0623 |
| 07 1103 | 07 1103 | 03 0704 | 03 0704 | 04 0624 | 04 0624 |
| 07 1104 | 07 1104 | 03 0706 | 03 0706 | 04 0627 | 04 0627 |
| 07 1110 | 07 1110 | 03 0709 | 03 0709 | 04 0629 | 04 0629 |
| 07 1206 | 07 1206 | 03 0715 | 03 0715 | 04 0705 | 04 0705 |
| 07 1208 | 07 1208 | 03 0720 | 03 0720 | 04 0716 | 04 0716 |
| 07 1217 | 07 1217 | 03 0725 | 03 0725 | 04 0721 | 04 0721 |
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| 08 0129 | 08 0129 | 03 0804 | 03 0804 | 04 0725 | 04 0725 |
| 08 0201 | 08 0201 | 03 0806 | 03 0806 | 04 0808 | 04 0808 |
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| 08 0210 | 08 0210 | 03 0821 | 03 0821 | 04 1026 | 04 1026 |
| 08 0211 | 08 0211 | 03 0822 | 03 0822 | 04 1109 | 04 1109 |
| 08 0302 | 08 0302 | 03 0826 | 03 0826 | 04 1113 | 04 1113 |
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| 08 0522 | 08 0522 | 03 1208 | 03 1208 | 04 1222 | 04 1222 |
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| 08 0606 | 08 0606 | 03 1211 | 03 1211 | 05 0107 | 05 0107 |
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| 08 1014 | 08 1014 | 04 0115 | 04 0115 | 05 0118 | 05 0118 |
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| 21000.00 | 437.553 | 04 0224 | 04 0224 | 05 0611 | 05 0611 |
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| 'CURVE06' | 247 13 0 0 | 04 0309 | 04 0309 | 05 0710 | 05 0710 |
| 03 0102 | 03 0102 | 04 0314 | 04 0314 | 05 0711 | 05 0711 |
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| 05 0905 | 05 0905 | 08 0507 | 08 0507 | 03 0108 | 03 0108 |
| 05 0917 | 05 0917 | 08 0509 | 08 0509 | 03 0313 | 03 0313 |
| 05 0923 | 05 0923 | 08 0511 | 08 0511 | 03 0510 | 03 0510 |
| 05 1001 | 05 1001 | 08 0516 | 08 0516 | 03 0723 | 03 0723 |
| 05 1002 | 05 1002 | 08 0526 | 08 0526 | 03 0729 | 03 0729 |
| 05 1004 | 05 1004 | 08 0528 | 08 0528 | 03 0829 | 03 0829 |
| 05 1006 | 05 1006 | 08 0529 | 08 0529 | 03 0904 | 03 0904 |
| 05 1007 | 05 1007 | 08 0531 | 08 0531 | 03 1204 | 03 1204 |
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| 05 1022 | 05 1022 | 08 0611 | 08 0611 | 03 1213 | 03 1213 |
| 05 1028 | 05 1028 | 08 0615 | 08 0615 | 03 1231 | 03 1231 |
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| 07 1015 | 07 1015 | 08 1119 | 08 1119 | 05 0413 | 05 0413 |
| 07 1021 | 07 1021 | 08 1120 | 08 1120 | 05 0414 | 05 0414 |
| 07 1023 | 07 1023 | 08 1123 | 08 1123 | 05 0424 | 05 0424 |
| 07 1115 | 07 1115 | 08 1224 | 08 1224 | 05 0509 | 05 0509 |
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| 07 1227 | 07 1227 | 6029.00 | 233.113 | 05 0819 | 05 0819 |
| 07 1228 | 07 1228 | 7220.00 | 280.707 | 05 0820 | 05 0820 |
| 08 0103 | 08 0103 | 8248.00 | 326.045 | 05 0822 | 05 0822 |
| 08 0114 | 08 0114 | 13000.00 | 425.940 | 05 0901 | 05 0901 |

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| 05 0916 | 05 0916 | 08 1016 | 08 1016 | 04 0321 | 04 0321 |
| 05 0926 | 05 0926 | 08 1023 | 08 1023 | 04 0322 | 04 0322 |
| 05 1206 | 05 1206 | 08 1024 | 08 1024 | 04 0327 | 04 0327 |
| 05 1215 | 05 1215 | 08 1125 | 08 1125 | 04 0329 | 04 0329 |
| 05 1220 | 05 1220 | 08 1126 | 08 1126 | 04 0330 | 04 0330 |
| 05 1226 | 05 1226 | 08 1129 | 08 1129 | 04 0331 | 04 0331 |
| 05 1227 | 05 1227 | 08 1130 | 08 1130 | 04 0414 | 04 0414 |
| 07 0107 | 07 0107 | 08 1201 | 08 1201 | 04 0415 | 04 0415 |
| 07 0108 | 07 0108 | 08 1204 | 08 1204 | 04 0417 | 04 0417 |
| 07 0116 | 07 0116 | 0.00 | 0.000 | 04 0512 | 04 0512 |
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| 07 0512 | 07 0512 | 4306.00 | 161.612 | 04 0518 | 04 0518 |
| 07 0513 | 07 0513 | 6029.00 | 244.656 | 04 0529 | 04 0529 |
| 07 0514 | 07 0514 | 7220.00 | 294.606 | 04 0604 | 04 0604 |
| 07 0516 | 07 0516 | 8248.00 | 342.189 | 04 0617 | 04 0617 |
| 07 0517 | 07 0517 | 13000.00 | 447.031 | 04 0630 | 04 0630 |
| 07 0608 | 07 0608 | 15300.00 | 450.072 | 04 0709 | 04 0709 |
| 07 0609 | 07 0609 | 21000.00 | 435.466 | 04 0710 | 04 0710 |
| 07 0628 | 07 0628 | 29000.00 | 372.210 | 04 0715 | 04 0715 |
| 07 0703 | 07 0703 | 38800.00 | 332.895 | 04 0720 | 04 0720 |
| 07 0704 | 07 0704 | 45000.00 | 307.470 | 04 1003 | 04 1003 |
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| 07 0805 | 07 0805 | 03 0107 | 03 0107 | 04 1022 | 04 1022 |
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| 07 0823 | 07 0823 | 03 0301 | 03 0301 | 04 1025 | 04 1025 |
| 07 0902 | 07 0902 | 03 0317 | 03 0317 | 04 1027 | 04 1027 |
| 07 0914 | 07 0914 | 03 0410 | 03 0410 | 04 1028 | 04 1028 |
| 07 1017 | 07 1017 | 03 0411 | 03 0411 | 04 1029 | 04 1029 |
| 07 1018 | 07 1018 | 03 0412 | 03 0412 | 04 1102 | 04 1102 |
| 07 1019 | 07 1019 | 03 0422 | 03 0422 | 04 1105 | 04 1105 |
| 07 1020 | 07 1020 | 03 0426 | 03 0426 | 04 1114 | 04 1114 |
| 07 1022 | 07 1022 | 03 0509 | 03 0509 | 04 1122 | 04 1122 |
| 07 1030 | 07 1030 | 03 0512 | 03 0512 | 04 1203 | 04 1203 |
| 07 1102 | 07 1102 | 03 0517 | 03 0517 | 04 1231 | 04 1231 |
| 07 1107 | 07 1107 | 03 0604 | 03 0604 | 05 0110 | 05 0110 |
| 07 1117 | 07 1117 | 03 0629 | 03 0629 | 05 0410 | 05 0410 |
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| 07 1207 | 07 1207 | 03 0711 | 03 0711 | 05 0423 | 05 0423 |
| 07 1209 | 07 1209 | 03 0727 | 03 0727 | 05 0428 | 05 0428 |
| 08 0120 | 08 0120 | 03 0823 | 03 0823 | 05 0508 | 05 0508 |
| 08 0131 | 08 0131 | 03 0824 | 03 0824 | 05 0511 | 05 0511 |
| 08 0213 | 08 0213 | 03 0902 | 03 0902 | 05 0531 | 05 0531 |
| 08 0228 | 08 0228 | 03 0903 | 03 0903 | 05 0608 | 05 0608 |
| 08 0303 | 08 0303 | 03 0909 | 03 0909 | 05 0716 | 05 0716 |
| 08 0314 | 08 0314 | 03 0913 | 03 0913 | 05 0717 | 05 0717 |
| 08 0321 | 08 0321 | 03 1210 | 03 1210 | 05 0719 | 05 0719 |
| 08 0327 | 08 0327 | 03 1217 | 03 1217 | 05 0722 | 05 0722 |
| 08 0403 | 08 0403 | 04 0112 | 04 0112 | 05 0807 | 05 0807 |
| 08 0417 | 08 0417 | 04 0118 | 04 0118 | 05 0810 | 05 0810 |
| 08 0428 | 08 0428 | 04 0121 | 04 0121 | 05 0817 | 05 0817 |
| 08 0501 | 08 0501 | 04 0209 | 04 0209 | 05 0829 | 05 0829 |
| 08 0505 | 08 0505 | 04 0210 | 04 0210 | 05 0922 | 05 0922 |
| 08 0506 | 08 0506 | 04 0221 | 04 0221 | 05 1019 | 05 1019 |
| 08 0614 | 08 0614 | 04 0307 | 04 0307 | 05 1025 | 05 1025 |
| 08 0710 | 08 0710 | 04 0310 | 04 0310 | 05 1104 | 05 1104 |
| 08 0711 | 08 0711 | 04 0311 | 04 0311 | 05 1105 | 05 1105 |
| 08 0714 | 08 0714 | 04 0312 | 04 0312 | 05 1128 | 05 1128 |
| 08 0901 | 08 0901 | 04 0313 | 04 0313 | 07 0205 | 07 0205 |
| 08 0902 | 08 0902 | 04 0315 | 04 0315 | 07 0211 | 07 0211 |
| 08 1008 | 08 1008 | 04 0318 | 04 0318 | 07 0212 | 07 0212 |
| 08 1010 | 08 1010 | 04 0319 | 04 0319 | 07 0430 | 07 0430 |

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| 07 0520 | 07 0520 | 08 1019 | 08 1019 | 04 0110 | 04 0110 |
| 07 0521 | 07 0521 | 08 1022 | 08 1022 | 04 0111 | 04 0111 |
| 07 0522 | 07 0522 | 08 1105 | 08 1105 | 04 0123 | 04 0123 |
| 07 0524 | 07 0524 | 08 1121 | 08 1121 | 04 0125 | 04 0125 |
| 07 0528 | 07 0528 | 08 1127 | 08 1127 | 04 0127 | 04 0127 |
| 07 0604 | 07 0604 | 08 1202 | 08 1202 | 04 0128 | 04 0128 |
| 07 0611 | 07 0611 | 08 1203 | 08 1203 | 04 0129 | 04 0129 |
| 07 0629 | 07 0629 | 0.00 | 0.000 | 04 0131 | 04 0131 |
| 07 0720 | 07 0720 | 2080.00 | 83.184 | 04 0203 | 04 0203 |
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| 07 0725 | 07 0725 | 6029.00 | 237.472 | 04 0208 | 04 0208 |
| 07 0726 | 07 0726 | 7220.00 | 285.955 | 04 0214 | 04 0214 |
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| 07 0803 | 07 0803 | 13000.00 | 433.904 | 04 0217 | 04 0217 |
| 07 0817 | 07 0817 | 15300.00 | 436.856 | 04 0219 | 04 0219 |
| 07 0824 | 07 0824 | 21000.00 | 422.679 | 04 0220 | 04 0220 |
| 07 0916 | 07 0916 | 29000.00 | 361.280 | 04 0222 | 04 0222 |
| 07 1013 | 07 1013 | 38800.00 | 323.119 | 04 0225 | 04 0225 |
| 07 1024 | 07 1024 | 45000.00 | 298.441 | 04 0226 | 04 0226 |
| 07 1031 | 07 1031 | 100000.00 | 229.388 | 04 0227 | 04 0227 |
| 07 1108 | 07 1108 | 'CURVE09' | 281 13 0 0 | 04 0228 | 04 0228 |
| 07 1123 | 07 1123 | 03 0114 | 03 0114 | 04 0302 | 04 0302 |
| 07 1124 | 07 1124 | 03 0115 | 03 0115 | 04 0304 | 04 0304 |
| 07 1125 | 07 1125 | 03 0116 | 03 0116 | 04 0305 | 04 0305 |
| 08 0122 | 08 0122 | 03 0117 | 03 0117 | 04 0403 | 04 0403 |
| 08 0125 | 08 0125 | 03 0121 | 03 0121 | 04 0514 | 04 0514 |
| 08 0205 | 08 0205 | 03 0227 | 03 0227 | 04 0603 | 04 0603 |
| 08 0206 | 08 0206 | 03 0228 | 03 0228 | 04 0606 | 04 0606 |
| 08 0218 | 08 0218 | 03 0305 | 03 0305 | 04 0607 | 04 0607 |
| 08 0229 | 08 0229 | 03 0306 | 03 0306 | 04 0609 | 04 0609 |
| 08 0301 | 08 0301 | 03 0314 | 03 0314 | 04 0610 | 04 0610 |
| 08 0305 | 08 0305 | 03 0318 | 03 0318 | 04 0611 | 04 0611 |
| 08 0404 | 08 0404 | 03 0328 | 03 0328 | 04 0616 | 04 0616 |
| 08 0418 | 08 0418 | 03 0329 | 03 0329 | 04 0628 | 04 0628 |
| 08 0515 | 08 0515 | 03 0514 | 03 0514 | 04 0703 | 04 0703 |
| 08 0517 | 08 0517 | 03 0518 | 03 0518 | 04 0714 | 04 0714 |
| 08 0518 | 08 0518 | 03 0519 | 03 0519 | 04 0717 | 04 0717 |
| 08 0519 | 08 0519 | 03 0520 | 03 0520 | 04 0718 | 04 0718 |
| 08 0521 | 08 0521 | 03 0521 | 03 0521 | 04 0724 | 04 0724 |
| 08 0523 | 08 0523 | 03 0527 | 03 0527 | 04 0727 | 04 0727 |
| 08 0610 | 08 0610 | 03 0528 | 03 0528 | 04 0729 | 04 0729 |
| 08 0612 | 08 0612 | 03 0529 | 03 0529 | 04 0806 | 04 0806 |
| 08 0613 | 08 0613 | 03 0606 | 03 0606 | 04 0809 | 04 0809 |
| 08 0618 | 08 0618 | 03 0621 | 03 0621 | 04 0812 | 04 0812 |
| 08 0628 | 08 0628 | 03 0622 | 03 0622 | 04 0820 | 04 0820 |
| 08 0713 | 08 0713 | 03 0623 | 03 0623 | 04 0825 | 04 0825 |
| 08 0718 | 08 0718 | 03 0627 | 03 0627 | 04 0826 | 04 0826 |
| 08 0829 | 08 0829 | 03 0707 | 03 0707 | 04 0827 | 04 0827 |
| 08 0905 | 08 0905 | 03 0719 | 03 0719 | 04 0828 | 04 0828 |
| 08 0911 | 08 0911 | 03 0724 | 03 0724 | 04 0831 | 04 0831 |
| 08 0913 | 08 0913 | 03 0801 | 03 0801 | 04 0901 | 04 0901 |
| 08 0916 | 08 0916 | 03 0802 | 03 0802 | 04 0903 | 04 0903 |
| 08 0919 | 08 0919 | 03 0830 | 03 0830 | 04 0910 | 04 0910 |
| 08 0920 | 08 0920 | 03 0905 | 03 0905 | 04 0911 | 04 0911 |
| 08 0924 | 08 0924 | 03 0906 | 03 0906 | 04 0915 | 04 0915 |
| 08 0926 | 08 0926 | 03 0908 | 03 0908 | 04 0917 | 04 0917 |
| 08 0927 | 08 0927 | 03 0911 | 03 0911 | 04 0929 | 04 0929 |
| 08 0929 | 08 0929 | 03 1206 | 03 1206 | 04 0930 | 04 0930 |
| 08 1001 | 08 1001 | 03 1207 | 03 1207 | 04 1001 | 04 1001 |
| 08 1009 | 08 1009 | 03 1215 | 03 1215 | 04 1005 | 04 1005 |
| 08 1012 | 08 1012 | 03 1223 | 03 1223 | 04 1006 | 04 1006 |
| 08 1017 | 08 1017 | 04 0108 | 04 0108 | 04 1012 | 04 1012 |
| 08 1018 | 08 1018 | 04 0109 | 04 0109 | 04 1031 | 04 1031 |

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| 04 1107 | 04 1107 | 05 1011 | 05 1011 | 08 0106 | 08 0106 |
| 04 1110 | 04 1110 | 05 1012 | 05 1012 | 08 0107 | 08 0107 |
| 04 1112 | 04 1112 | 05 1013 | 05 1013 | 08 0212 | 08 0212 |
| 04 1121 | 04 1121 | 05 1017 | 05 1017 | 08 0311 | 08 0311 |
| 04 1201 | 04 1201 | 05 1018 | 05 1018 | 08 0312 | 08 0312 |
| 04 1221 | 04 1221 | 05 1021 | 05 1021 | 08 0313 | 08 0313 |
| 04 1228 | 04 1228 | 05 1026 | 05 1026 | 08 0411 | 08 0411 |
| 04 1229 | 04 1229 | 05 1027 | 05 1027 | 08 0414 | 08 0414 |
| 05 0104 | 05 0104 | 05 1106 | 05 1106 | 08 0508 | 08 0508 |
| 05 0114 | 05 0114 | 05 1113 | 05 1113 | 08 0510 | 08 0510 |
| 05 0119 | 05 0119 | 05 1114 | 05 1114 | 08 0512 | 08 0512 |
| 05 0122 | 05 0122 | 05 1122 | 05 1122 | 08 0513 | 08 0513 |
| 05 0126 | 05 0126 | 05 1230 | 05 1230 | 08 0525 | 08 0525 |
| 05 0204 | 05 0204 | 07 0121 | 07 0121 | 08 0530 | 08 0530 |
| 05 0206 | 05 0206 | 07 0124 | 07 0124 | 08 0602 | 08 0602 |
| 05 0207 | 05 0207 | 07 0207 | 07 0207 | 08 0604 | 08 0604 |
| 05 0208 | 05 0208 | 07 0208 | 07 0208 | 08 0607 | 08 0607 |
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| 05 0416 | 05 0416 | 07 0210 | 07 0210 | 08 0616 | 08 0616 |
| 05 0420 | 05 0420 | 07 0216 | 07 0216 | 08 0622 | 08 0622 |
| 05 0421 | 05 0421 | 07 0218 | 07 0218 | 08 0624 | 08 0624 |
| 05 0427 | 05 0427 | 07 0221 | 07 0221 | 08 0625 | 08 0625 |
| 05 0430 | 05 0430 | 07 0222 | 07 0222 | 08 0702 | 08 0702 |
| 05 0510 | 05 0510 | 07 0225 | 07 0225 | 08 0703 | 08 0703 |
| 05 0512 | 05 0512 | 07 0409 | 07 0409 | 08 0704 | 08 0704 |
| 05 0513 | 05 0513 | 07 0504 | 07 0504 | 08 0708 | 08 0708 |
| 05 0516 | 05 0516 | 07 0505 | 07 0505 | 08 0709 | 08 0709 |
| 05 0518 | 05 0518 | 07 0506 | 07 0506 | 08 0712 | 08 0712 |
| 05 0521 | 05 0521 | 07 0507 | 07 0507 | 08 0715 | 08 0715 |
| 05 0524 | 05 0524 | 07 0509 | 07 0509 | 08 0721 | 08 0721 |
| 05 0525 | 05 0525 | 07 0511 | 07 0511 | 08 0722 | 08 0722 |
| 05 0526 | 05 0526 | 07 0515 | 07 0515 | 08 0806 | 08 0806 |
| 05 0528 | 05 0528 | 07 0523 | 07 0523 | 08 0825 | 08 0825 |
| 05 0530 | 05 0530 | 07 0903 | 07 0903 | 08 0827 | 08 0827 |
| 05 0601 | 05 0601 | 07 0905 | 07 0905 | 08 0828 | 08 0828 |
| 05 0615 | 05 0615 | 07 0906 | 07 0906 | 08 0831 | 08 0831 |
| 05 0617 | 05 0617 | 07 0908 | 07 0908 | 08 0907 | 08 0907 |
| 05 0618 | 05 0618 | 07 0909 | 07 0909 | 08 0908 | 08 0908 |
| 05 0620 | 05 0620 | 07 0910 | 07 0910 | 08 1002 | 08 1002 |
| 05 0621 | 05 0621 | 07 0911 | 07 0911 | 08 1011 | 08 1011 |
| 05 0622 | 05 0622 | 07 0924 | 07 0924 | 08 1031 | 08 1031 |
| 05 0625 | 05 0625 | 07 0925 | 07 0925 | 08 1103 | 08 1103 |
| 05 0627 | 05 0627 | 07 0926 | 07 0926 | 08 1106 | 08 1106 |
| 05 0708 | 05 0708 | 07 0927 | 07 0927 | 08 1107 | 08 1107 |
| 05 0720 | 05 0720 | 07 0929 | 07 0929 | 08 1113 | 08 1113 |
| 05 0728 | 05 0728 | 07 1001 | 07 1001 | 08 1118 | 08 1118 |
| 05 0811 | 05 0811 | 07 1004 | 07 1004 | 08 1122 | 08 1122 |
| 05 0825 | 05 0825 | 07 1014 | 07 1014 | 08 1124 | 08 1124 |
| 05 0828 | 05 0828 | 07 1016 | 07 1016 | 08 1211 | 08 1211 |
| 05 0902 | 05 0902 | 07 1025 | 07 1025 | 08 1223 | 08 1223 |
| 05 0909 | 05 0909 | 07 1026 | 07 1026 | 0.00 | 0.000 |
| 05 0911 | 05 0911 | 07 1027 | 07 1027 | 2080.00 | 78.049 |
| 05 0914 | 05 0914 | 07 1109 | 07 1109 | 4306.00 | 147.182 |
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| 05 0918 | 05 0918 | 07 1118 | 07 1118 | 7220.00 | 268.303 |
| 05 0919 | 05 0919 | 07 1120 | 07 1120 | 8248.00 | 311.637 |
| 05 0920 | 05 0920 | 07 1129 | 07 1129 | 13000.00 | 407.118 |
| 05 0921 | 05 0921 | 07 1130 | 07 1130 | 15300.00 | 409.888 |
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| 05 0928 | 05 0928 | 07 1224 | 07 1224 | 29000.00 | 338.978 |
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| 'CURVE10' 172 13 0 0 | 04 0803 04 0803 | 07 0508 07 0508 |
| 03 0113 03 0113 | 04 0804 04 0804 | 07 0510 07 0510 |
| 03 0119 03 0119 | 04 0805 04 0805 | 07 0606 07 0606 |
| 03 0123 03 0123 | 04 0813 04 0813 | 07 0607 07 0607 |
| 03 0222 03 0222 | 04 0818 04 0818 | 07 0825 07 0825 |
| 03 0225 03 0225 | 04 0821 04 0821 | 07 0901 07 0901 |
| 03 0226 03 0226 | 04 0822 04 0822 | 07 0907 07 0907 |
| 03 0303 03 0303 | 04 0830 04 0830 | 07 1002 07 1002 |
| 03 0310 03 0310 | 04 0902 04 0902 | 07 1003 07 1003 |
| 03 0404 03 0404 | 04 0907 04 0907 | 07 1006 07 1006 |
| 03 0408 03 0408 | 04 0909 04 0909 | 07 1007 07 1007 |
| 03 0515 03 0515 | 04 0912 04 0912 | 07 1128 07 1128 |
| 03 0522 03 0522 | 04 0913 04 0913 | 07 1201 07 1201 |
| 03 0523 03 0523 | 04 0914 04 0914 | 07 1226 07 1226 |
| 03 0530 03 0530 | 04 0916 04 0916 | 08 0101 08 0101 |
| 03 0531 03 0531 | 04 0921 04 0921 | 08 0102 08 0102 |
| 03 0607 03 0607 | 04 0922 04 0922 | 08 0320 08 0320 |
| 03 0609 03 0609 | 04 0925 04 0925 | 08 0412 08 0412 |
| 03 0610 03 0610 | 04 1017 04 1017 | 08 0514 08 0514 |
| 03 0611 03 0611 | 04 1111 04 1111 | 08 0527 08 0527 |
| 03 0612 03 0612 | 04 1117 04 1117 | 08 0603 08 0603 |
| 03 0613 03 0613 | 05 0103 05 0103 | 08 0608 08 0608 |
| 03 0617 03 0617 | 05 0123 05 0123 | 08 0629 08 0629 |
| 03 0618 03 0618 | 05 0124 05 0124 | 08 0730 08 0730 |
| 03 0619 03 0619 | 05 0125 05 0125 | 08 0731 08 0731 |
| 03 0625 03 0625 | 05 0201 05 0201 | 08 0802 08 0802 |
| 03 0630 03 0630 | 05 0202 05 0202 | 08 0803 08 0803 |
| 03 0708 03 0708 | 05 0203 05 0203 | 08 0804 08 0804 |
| 03 0710 03 0710 | 05 0205 05 0205 | 08 0805 08 0805 |
| 03 0731 03 0731 | 05 0401 05 0401 | 08 0807 08 0807 |
| 03 0803 03 0803 | 05 0417 05 0417 | 08 0814 08 0814 |
| 03 0805 03 0805 | 05 0418 05 0418 | 08 0815 08 0815 |
| 03 0809 03 0809 | 05 0426 05 0426 | 08 0816 08 0816 |
| 03 0817 03 0817 | 05 0503 05 0503 | 08 0818 08 0818 |
| 03 0818 03 0818 | 05 0514 05 0514 | 08 0819 08 0819 |
| 03 0819 03 0819 | 05 0517 05 0517 | 08 0821 08 0821 |
| 03 0910 03 0910 | 05 0520 05 0520 | 08 0824 08 0824 |
| 03 0920 03 0920 | 05 0604 05 0604 | 08 0910 08 0910 |
| 03 0921 03 0921 | 05 0609 05 0609 | 08 0923 08 0923 |
| 03 1224 03 1224 | 05 0612 05 0612 | 08 1027 08 1027 |
| 04 0124 04 0124 | 05 0614 05 0614 | 08 1101 08 1101 |
| 04 0126 04 0126 | 05 0623 05 0623 | 08 1109 08 1109 |
| 04 0204 04 0204 | 05 0628 05 0628 | 08 1112 08 1112 |
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| 04 0303 04 0303 | 05 0630 05 0630 | 08 1221 08 1221 |
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| 04 0429 04 0429 | 05 0703 05 0703 | 08 1231 08 1231 |
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| 04 0504 04 0504 | 05 0725 05 0725 | 2080.00 74.201 |
| 04 0505 04 0505 | 05 0910 05 0910 | 4306.00 139.925 |
| 04 0506 04 0506 | 05 0924 05 0924 | 6029.00 211.826 |
| 04 0507 04 0507 | 05 1030 05 1030 | 7220.00 255.073 |
| 04 0508 04 0508 | 05 1101 05 1101 | 8248.00 296.271 |
| 04 0509 04 0509 | 05 1107 05 1107 | 13000.00 387.044 |
| 04 0605 04 0605 | 05 1109 05 1109 | 15300.00 389.677 |
| 04 0612 04 0612 | 05 1123 05 1123 | 21000.00 377.031 |
| 04 0622 04 0622 | 05 1202 05 1202 | 29000.00 322.264 |
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| 04 0731 04 0731 | 07 0408 07 0408 | 'CURVE11' 115 13 0 0 |
| 04 0801 04 0801 | 07 0502 07 0502 | 03 0120 03 0120 |
| 04 0802 04 0802 | 07 0503 07 0503 | 03 0124 03 0124 |

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| 03 0221 | 03 0221 | 05 0129 | 05 0129 | 03 0216 | 03 0216 |
| 03 0223 | 03 0223 | 05 0130 | 05 0130 | 03 0319 | 03 0319 |
| 03 0224 | 03 0224 | 05 0131 | 05 0131 | 03 0331 | 03 0331 |
| 03 0304 | 03 0304 | 05 0402 | 05 0402 | 03 0402 | 03 0402 |
| 03 0307 | 03 0307 | 05 0419 | 05 0419 | 03 0405 | 03 0405 |
| 03 0311 | 03 0311 | 05 0501 | 05 0501 | 03 0406 | 03 0406 |
| 03 0330 | 03 0330 | 05 0515 | 05 0515 | 03 0407 | 03 0407 |
| 03 0401 | 03 0401 | 05 0619 | 05 0619 | 03 0409 | 03 0409 |
| 03 0403 | 03 0403 | 05 0705 | 05 0705 | 03 0420 | 03 0420 |
| 03 0416 | 03 0416 | 05 0912 | 05 0912 | 03 0506 | 03 0506 |
| 03 0417 | 03 0417 | 05 1015 | 05 1015 | 03 0524 | 03 0524 |
| 03 0418 | 03 0418 | 05 1108 | 05 1108 | 03 0525 | 03 0525 |
| 03 0419 | 03 0419 | 05 1117 | 05 1117 | 03 0601 | 03 0601 |
| 03 0421 | 03 0421 | 05 1118 | 05 1118 | 03 0616 | 03 0616 |
| 03 0505 | 03 0505 | 05 1121 | 05 1121 | 03 0628 | 03 0628 |
| 03 0507 | 03 0507 | 05 1201 | 05 1201 | 03 0812 | 03 0812 |
| 03 0602 | 03 0602 | 07 0111 | 07 0111 | 03 0922 | 03 0922 |
| 03 0603 | 03 0603 | 07 0406 | 07 0406 | 03 0925 | 03 0925 |
| 03 0614 | 03 0614 | 07 0525 | 07 0525 | 03 0926 | 03 0926 |
| 03 0808 | 03 0808 | 07 0918 | 07 0918 | 03 0928 | 03 0928 |
| 03 0810 | 03 0810 | 07 0923 | 07 0923 | 03 0929 | 03 0929 |
| 03 0815 | 03 0815 | 07 0928 | 07 0928 | 03 0930 | 03 0930 |
| 03 0816 | 03 0816 | 07 0930 | 07 0930 | 03 1003 | 03 1003 |
| 03 0923 | 03 0923 | 07 1005 | 07 1005 | 03 1006 | 03 1006 |
| 03 0927 | 03 0927 | 07 1029 | 07 1029 | 03 1007 | 03 1007 |
| 03 1004 | 03 1004 | 07 1225 | 07 1225 | 03 1008 | 03 1008 |
| 03 1005 | 03 1005 | 07 1231 | 07 1231 | 03 1009 | 03 1009 |
| 03 1125 | 03 1125 | 08 0109 | 08 0109 | 03 1010 | 03 1010 |
| 03 1127 | 03 1127 | 08 0113 | 08 0113 | 03 1011 | 03 1011 |
| 03 1202 | 03 1202 | 08 0121 | 08 0121 | 03 1012 | 03 1012 |
| 03 1203 | 03 1203 | 08 0208 | 08 0208 | 03 1013 | 03 1013 |
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| 04 0501 | 04 0501 | 08 0310 | 08 0310 | 03 1016 | 03 1016 |
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| 04 0817 | 04 0817 | 08 1102 | 08 1102 | 03 1118 | 03 1118 |
| 04 0819 | 04 0819 | 08 1114 | 08 1114 | 03 1128 | 03 1128 |
| 04 0823 | 04 0823 | 08 1220 | 08 1220 | 03 1201 | 03 1201 |
| 04 0824 | 04 0824 | 08 1225 | 08 1225 | 03 1218 | 03 1218 |
| 04 0829 | 04 0829 | 0.00 0.000 | | 03 1220 | 03 1220 |
| 04 0904 | 04 0904 | 2080.00 71.100 | | 03 1221 | 03 1221 |
| 04 0905 | 04 0905 | 4306.00 134.078 | | 04 0405 | 04 0405 |
| 04 0906 | 04 0906 | 6029.00 202.974 | | 04 0420 | 04 0420 |
| 04 0923 | 04 0923 | 7220.00 244.415 | | 04 0425 | 04 0425 |
| 04 0926 | 04 0926 | 8248.00 283.891 | | 04 0515 | 04 0515 |
| 04 0927 | 04 0927 | 13000.00 370.871 | | 04 0702 | 04 0702 |
| 04 0928 | 04 0928 | 15300.00 373.394 | | 04 0815 | 04 0815 |
| 04 1106 | 04 1106 | 21000.00 361.277 | | 04 0908 | 04 0908 |
| 04 1125 | 04 1125 | 29000.00 308.797 | | 04 0918 | 04 0918 |
| 04 1129 | 04 1129 | 38800.00 276.180 | | 04 0919 | 04 0919 |
| 04 1202 | 04 1202 | 45000.00 255.087 | | 04 0920 | 04 0920 |
| 04 1227 | 04 1227 | 100000.00 196.065 | | 04 1108 | 04 1108 |

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| 04 1224 | 04 1224 | 03 1107 | 03 1107 | 2080.00 | 59.563 |
| 05 0128 | 05 0128 | 03 1109 | 03 1109 | 4306.00 | 112.322 |
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| 05 0721 | 05 0721 | 03 1115 | 03 1115 | 7220.00 | 204.755 |
| 05 1110 | 05 1110 | 03 1116 | 03 1116 | 8248.00 | 237.825 |
| 05 1119 | 05 1119 | 03 1117 | 03 1117 | 13000.00 | 310.691 |
| 07 0215 | 07 0215 | 03 1119 | 03 1119 | 15300.00 | 312.805 |
| 07 0315 | 07 0315 | 03 1124 | 03 1124 | 21000.00 | 302.654 |
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| 07 0603 | 07 0603 | 03 1219 | 03 1219 | 38800.00 | 231.365 |
| 07 0922 | 07 0922 | 03 1222 | 03 1222 | 45000.00 | 213.695 |
| 07 1028 | 07 1028 | 03 1230 | 03 1230 | 100000.00 | 164.250 |
| 07 1121 | 07 1121 | 04 0421 | 04 0421 | 'CURVE14' | 029 13 0 0 |
| 07 1230 | 07 1230 | 04 0422 | 04 0422 | 03 0125 | 03 0125 |
| 08 0309 | 08 0309 | 04 0424 | 04 0424 | 03 0214 | 03 0214 |
| 08 0413 | 08 0413 | 04 0427 | 04 0427 | 03 0320 | 03 0320 |
| 08 0421 | 08 0421 | 04 0428 | 04 0428 | 03 0813 | 03 0813 |
| 08 0810 | 08 0810 | 04 0526 | 04 0526 | 03 1025 | 03 1025 |
| 08 0811 | 08 0811 | 04 0527 | 04 0527 | 03 1026 | 03 1026 |
| 08 0925 | 08 0925 | 04 0528 | 04 0528 | 03 1101 | 03 1101 |
| 08 1028 | 08 1028 | 04 0924 | 04 0924 | 03 1103 | 03 1103 |
| 08 1111 | 08 1111 | 04 1007 | 04 1007 | 03 1105 | 03 1105 |
| 08 1116 | 08 1116 | 04 1225 | 04 1225 | 03 1106 | 03 1106 |
| 08 1226 | 08 1226 | 04 1226 | 04 1226 | 03 1120 | 03 1120 |
| 08 1227 | 08 1227 | 05 0115 | 05 0115 | 03 1121 | 03 1121 |
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| 2080.00 | 65.846 | 05 0329 | 05 0329 | 03 1126 | 03 1126 |
| 4306.00 | 124.169 | 05 0330 | 05 0330 | 03 1129 | 03 1129 |
| 6029.00 | 187.974 | 05 0403 | 05 0403 | 04 0423 | 04 0423 |
| 7220.00 | 226.352 | 05 0404 | 05 0404 | 04 0701 | 04 0701 |
| 8248.00 | 262.911 | 05 0502 | 05 0502 | 05 1008 | 05 1008 |
| 13000.00 | 343.463 | 05 0624 | 05 0624 | 05 1010 | 05 1010 |
| 15300.00 | 345.799 | 05 0726 | 05 0726 | 07 0424 | 07 0424 |
| 21000.00 | 334.577 | 05 0727 | 05 0727 | 07 0831 | 07 0831 |
| 29000.00 | 285.976 | 05 0913 | 05 0913 | 08 0110 | 08 0110 |
| 38800.00 | 255.770 | 05 1009 | 05 1009 | 08 0111 | 08 0111 |
| 45000.00 | 236.235 | 05 1016 | 05 1016 | 08 0112 | 08 0112 |
| 100000.00 | 181.575 | 05 1023 | 05 1023 | 08 0729 | 08 0729 |
| 'CURVE13' | 086 13 0 0 | 05 1024 | 05 1024 | 08 0906 | 08 0906 |
| 03 0211 | 03 0211 | 05 1102 | 05 1102 | 08 1029 | 08 1029 |
| 03 0212 | 03 0212 | 05 1103 | 05 1103 | 08 1030 | 08 1030 |
| 03 0213 | 03 0213 | 05 1120 | 05 1120 | 08 1230 | 08 1230 |
| 03 0215 | 03 0215 | 07 0417 | 07 0417 | 0.00 | 0.000 |
| 03 0217 | 03 0217 | 07 0418 | 07 0418 | 2080.00 | 50.484 |
| 03 0219 | 03 0219 | 07 0419 | 07 0419 | 4306.00 | 95.201 |
| 03 0526 | 03 0526 | 07 0420 | 07 0420 | 6029.00 | 144.120 |
| 03 0608 | 03 0608 | 07 0421 | 07 0421 | 7220.00 | 173.545 |
| 03 0615 | 03 0615 | 07 0422 | 07 0422 | 8248.00 | 201.575 |
| 03 0811 | 03 0811 | 07 0423 | 07 0423 | 13000.00 | 263.334 |
| 03 0915 | 03 0915 | 07 0427 | 07 0427 | 15300.00 | 265.126 |
| 03 0916 | 03 0916 | 07 0710 | 07 0710 | 21000.00 | 256.522 |
| 03 0917 | 03 0917 | 07 0711 | 07 0711 | 29000.00 | 219.259 |
| 03 0918 | 03 0918 | 07 0919 | 07 0919 | 38800.00 | 196.100 |
| 03 0919 | 03 0919 | 07 0920 | 07 0920 | 45000.00 | 181.123 |
| 03 0924 | 03 0924 | 07 0921 | 07 0921 | 100000.00 | 139.214 |
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| 03 1002 | 03 1002 | 08 0630 | 08 0630 | 03 0127 | 03 0127 |
| 03 1019 | 03 1019 | 08 0701 | 08 0701 | 03 0131 | 03 0131 |
| 03 1024 | 03 1024 | 08 0725 | 08 0725 | 03 0201 | 03 0201 |
| 03 1028 | 03 1028 | 08 0726 | 08 0726 | 03 0202 | 03 0202 |
| 03 1029 | 03 1029 | 08 0728 | 08 0728 | 03 0218 | 03 0218 |
| 03 1030 | 03 1030 | 08 0812 | 08 0812 | 03 0327 | 03 0327 |

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| 03 1027 | 03 1027 | 7220.00 | 112.824 | 03 0323 | 03 0323 |
| 03 1102 | 03 1102 | 8248.00 | 131.047 | 03 0324 | 03 0324 |
| 03 1104 | 03 1104 | 13000.00 | 171.198 | 07 1009 | 07 1009 |
| 03 1123 | 03 1123 | 15300.00 | 172.362 | 08 1212 | 08 1212 |
| 03 1225 | 03 1225 | 21000.00 | 166.769 | 0.00 | 0.000 |
| 07 0425 | 07 0425 | 29000.00 | 142.544 | 2080.00 | 17.904 |
| 07 0426 | 07 0426 | 38800.00 | 127.487 | 4306.00 | 33.763 |
| 08 0108 | 08 0108 | 45000.00 | 117.751 | 6029.00 | 51.112 |
| 08 0727 | 08 0727 | 100000.00 | 90.505 | 7220.00 | 61.547 |
| 08 1228 | 08 1228 | 'CURVE18' | 013 13 0 0 | 8248.00 | 71.487 |
| 0.00 | 0.000 | 03 0209 | 03 0209 | 13000.00 | 93.390 |
| 2080.00 | 44.013 | 03 0814 | 03 0814 | 15300.00 | 94.025 |
| 4306.00 | 82.998 | 07 0316 | 07 0316 | 21000.00 | 90.974 |
| 6029.00 | 125.647 | 07 0317 | 07 0317 | 29000.00 | 77.759 |
| 7220.00 | 151.300 | 07 0318 | 07 0318 | 38800.00 | 69.546 |
| 8248.00 | 175.737 | 07 0319 | 07 0319 | 45000.00 | 64.234 |
| 13000.00 | 229.580 | 07 0323 | 07 0323 | 100000.00 | 49.372 |
| 15300.00 | 231.142 | 07 0324 | 07 0324 | | |
| 21000.00 | 223.640 | 07 0401 | 07 0401 | | |
| 29000.00 | 191.154 | 07 0402 | 07 0402 | | |
| 38800.00 | 170.963 | 07 0403 | 07 0403 | | |
| 45000.00 | 157.906 | 07 0404 | 07 0404 | | |
| 100000.00 | 121.370 | 07 1008 | 07 1008 | | |
| 'CURVE16' | 015 13 0 0 | 0.00 | 0.000 | | |
| 03 0126 | 03 0126 | 2080.00 | 27.637 | | |
| 03 0128 | 03 0128 | 4306.00 | 52.117 | | |
| 03 0130 | 03 0130 | 6029.00 | 78.897 | | |
| 03 0203 | 03 0203 | 7220.00 | 95.005 | | |
| 03 0204 | 03 0204 | 8248.00 | 110.349 | | |
| 03 0205 | 03 0205 | 13000.00 | 144.159 | | |
| 03 0206 | 03 0206 | 15300.00 | 145.139 | | |
| 03 0207 | 03 0207 | 21000.00 | 140.429 | | |
| 03 0210 | 03 0210 | 29000.00 | 120.030 | | |
| 03 1226 | 03 1226 | 38800.00 | 107.352 | | |
| 03 1227 | 03 1227 | 45000.00 | 99.153 | | |
| 07 0321 | 07 0321 | 100000.00 | 76.211 | | |
| 07 0322 | 07 0322 | 'CURVE19' | 011 13 0 0 | | |
| 08 1026 | 08 1026 | 03 0321 | 03 0321 | | |
| 08 1219 | 08 1219 | 03 0325 | 03 0325 | | |
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| 2080.00 | 37.951 | 07 0320 | 07 0320 | | |
| 4306.00 | 71.566 | 07 0325 | 07 0325 | | |
| 6029.00 | 108.340 | 07 0326 | 07 0326 | | |
| 7220.00 | 130.460 | 07 0327 | 07 0327 | | |
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| 15300.00 | 199.304 | 07 0330 | 07 0330 | | |
| 21000.00 | 192.836 | 07 0331 | 07 0331 | | |
| 29000.00 | 164.825 | 0.00 | 0.000 | | |
| 38800.00 | 147.415 | 2080.00 | 24.228 | | |
| 45000.00 | 136.156 | 4306.00 | 45.689 | | |
| 100000.00 | 104.652 | 6029.00 | 69.166 | | |
| 'CURVE17' | 006 13 0 0 | 7220.00 | 83.287 | | |
| 03 0129 | 03 0129 | 8248.00 | 96.740 | | |
| 03 0208 | 03 0208 | 13000.00 | 126.379 | | |
| 03 1228 | 03 1228 | 15300.00 | 127.239 | | |
| 03 1229 | 03 1229 | 21000.00 | 123.110 | | |
| 07 0405 | 07 0405 | 29000.00 | 105.227 | | |
| 08 1229 | 08 1229 | 38800.00 | 94.112 | | |
| 0.00 | 0.000 | 45000.00 | 86.924 | | |
| 2080.00 | 32.820 | 100000.00 | 66.812 | | |
| 4306.00 | 61.892 | 'CURVE20' | 005 13 0 0 | | |
| 6029.00 | 93.695 | 03 0322 | 03 0322 | | |

HWBEG Input File for Mechanicville

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 2
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
15
'MECHANIC' 'GENERAL' 20
'CURVE01' 009 13 0 0 | 41000.00 52.723 | 'CURVE03' 007 13 0 0
05 0826 05 0826 | 60000.00 6.759 | 05 0825 05 0825
07 0817 07 0817 | 'CURVE02' 005 13 0 0 | 07 0530 07 0530
07 0822 07 0822 | 07 0826 07 0826 | 07 0805 07 0805
07 0828 07 0828 | 07 0917 07 0917 | 07 1104 07 1104
07 0901 07 0901 | 07 0925 07 0925 | 07 1111 07 1111
07 0902 07 0902 | 07 1003 07 1003 | 07 1222 07 1222
07 0922 07 0922 | 07 1215 07 1215 | 08 0112 08 0112
07 0923 07 0923 | 0.00 0.000 | 0.00 0.000
07 1005 07 1005 | 2000.00 0.000 | 2000.00 0.000
0.00 0.000 | 3100.00 42.658 | 3100.00 40.707
2000.00 0.000 | 4200.00 65.223 | 4200.00 62.241
3100.00 48.657 | 6730.00 99.544 | 6730.00 94.993
4200.00 74.395 | 8160.00 105.466 | 8160.00 100.644
6730.00 113.543 | 10000.00 112.568 | 10000.00 107.421
8160.00 120.297 | 12900.00 111.385 | 12900.00 106.292
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37900.00 87.872 | 60000.00 5.926 | 60000.00 5.655

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| 'CURVE04' 022 13 0 0 | 3100.00 35.831 | 60000.00 4.713 |
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| 05 0809 05 0809 | 6730.00 83.614 | 04 1008 04 1008 |
| 05 0810 05 0810 | 8160.00 88.588 | 04 1010 04 1010 |
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| 06 0210 06 0210 | 12900.00 93.560 | 05 0403 05 0403 |
| 06 0828 06 0828 | 21900.00 85.613 | 05 0722 05 0722 |
| 07 0513 07 0513 | 28000.00 79.647 | 05 0723 05 0723 |
| 07 0703 07 0703 | 37900.00 64.709 | 05 0724 05 0724 |
| 07 0727 07 0727 | 41000.00 38.826 | 05 0817 05 0817 |
| 07 0807 07 0807 | 60000.00 4.978 | 05 0824 05 0824 |
| 07 0829 07 0829 | 'CURVE06' 039 13 0 0 | 05 0828 05 0828 |
| 07 0903 07 0903 | 04 1101 04 1101 | 05 0910 05 0910 |
| 07 0906 07 0906 | 05 0605 05 0605 | 05 0913 05 0913 |
| 07 0913 07 0913 | 05 0726 05 0726 | 06 0815 06 0815 |
| 07 0921 07 0921 | 05 0811 05 0811 | 06 0823 06 0823 |
| 07 0928 07 0928 | 05 0911 05 0911 | 06 0830 06 0830 |
| 07 1014 07 1014 | 06 0904 06 0904 | 06 0918 06 0918 |
| 08 0308 08 0308 | 06 0908 06 0908 | 07 0401 07 0401 |
| 08 0412 08 0412 | 06 0921 06 0921 | 07 0531 07 0531 |
| 08 0613 08 0613 | 07 0624 07 0624 | 07 0601 07 0601 |
| 08 0704 08 0704 | 07 0722 07 0722 | 07 0602 07 0602 |
| 08 0708 08 0708 | 07 0724 07 0724 | 07 0609 07 0609 |
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| 21900.00 88.947 | 07 1016 07 1016 | 07 0824 07 0824 |
| 28000.00 82.749 | 07 1110 07 1110 | 07 0904 07 0904 |
| 37900.00 67.229 | 07 1119 07 1119 | 07 1017 07 1017 |
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| 60000.00 5.172 | 07 1208 07 1208 | 07 1207 07 1207 |
| 'CURVE05' 024 13 0 0 | 07 1209 07 1209 | 07 1211 07 1211 |
| 04 1012 04 1012 | 07 1212 07 1212 | 07 1214 07 1214 |
| 05 0404 05 0404 | 07 1216 07 1216 | 07 1219 07 1219 |
| 05 0806 05 0806 | 07 1223 07 1223 | 07 1221 07 1221 |
| 06 0629 06 0629 | 07 1229 07 1229 | 08 0111 08 0111 |
| 06 0812 06 0812 | 08 0106 08 0106 | 08 0119 08 0119 |
| 06 0824 06 0824 | 08 0120 08 0120 | 08 0128 08 0128 |
| 07 0310 07 0310 | 08 0224 08 0224 | 08 0202 08 0202 |
| 07 0511 07 0511 | 08 0413 08 0413 | 08 0203 08 0203 |
| 07 0621 07 0621 | 08 0619 08 0619 | 08 0306 08 0306 |
| 07 0715 07 0715 | 08 0628 08 0628 | 08 0329 08 0329 |
| 07 0725 07 0725 | 08 0712 08 0712 | 08 0330 08 0330 |
| 07 0930 07 0930 | 08 0911 08 0911 | 08 0406 08 0406 |
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| 07 1018 07 1018 | 08 1207 08 1207 | 08 0415 08 0415 |
| 07 1019 07 1019 | 0.00 0.000 | 08 0416 08 0416 |
| 07 1113 07 1113 | 2000.00 0.000 | 08 0417 08 0417 |
| 07 1114 07 1114 | 3100.00 33.924 | 08 0418 08 0418 |
| 08 0218 08 0218 | 4200.00 51.869 | 08 0420 08 0420 |
| 08 0309 08 0309 | 6730.00 79.163 | 08 0603 08 0603 |
| 08 0402 08 0402 | 8160.00 83.872 | 08 0614 08 0614 |
| 08 0403 08 0403 | 10000.00 89.520 | 08 0620 08 0620 |
| 08 0405 08 0405 | 12900.00 88.580 | 08 0706 08 0706 |
| 08 0831 08 0831 | 21900.00 81.056 | 08 0711 08 0711 |
| 08 1206 08 1206 | 28000.00 75.408 | 08 0826 08 0826 |
| 0.00 0.000 | 37900.00 61.265 | 08 0906 08 0906 |
| 2000.00 0.000 | 41000.00 36.759 | 08 0928 08 0928 |

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| 08 1209 | 08 1209 | 07 1102 | 07 1102 | 08 1125 | 08 1125 |
| 08 1210 | 08 1210 | 07 1105 | 07 1105 | 08 1127 | 08 1127 |
| 08 1225 | 08 1225 | 07 1109 | 07 1109 | 08 1128 | 08 1128 |
| 0.00 | 0.000 | 07 1122 | 07 1122 | 08 1129 | 08 1129 |
| 2000.00 | 0.000 | 07 1125 | 07 1125 | 08 1130 | 08 1130 |
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| 28000.00 | 68.897 | 07 1213 | 07 1213 | 2000.00 | 0.000 |
| 37900.00 | 55.975 | 07 1220 | 07 1220 | 3100.00 | 28.399 |
| 41000.00 | 33.585 | 08 0103 | 08 0103 | 4200.00 | 43.422 |
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| 04 1025 | 04 1025 | 08 0110 | 08 0110 | 10000.00 | 74.941 |
| 05 0117 | 05 0117 | 08 0113 | 08 0113 | 12900.00 | 74.154 |
| 05 0327 | 05 0327 | 08 0115 | 08 0115 | 21900.00 | 67.856 |
| 05 0528 | 05 0528 | 08 0116 | 08 0116 | 28000.00 | 63.127 |
| 05 0728 | 05 0728 | 08 0117 | 08 0117 | 37900.00 | 51.288 |
| 05 0803 | 05 0803 | 08 0118 | 08 0118 | 41000.00 | 30.773 |
| 05 0815 | 05 0815 | 08 0127 | 08 0127 | 60000.00 | 3.945 |
| 05 0823 | 05 0823 | 08 0130 | 08 0130 | 'CURVE09' | 123 13 0 0 |
| 05 0908 | 05 0908 | 08 0209 | 08 0209 | 04 1102 | 04 1102 |
| 05 0909 | 05 0909 | 08 0220 | 08 0220 | 04 1103 | 04 1103 |
| 05 0917 | 05 0917 | 08 0222 | 08 0222 | 04 1119 | 04 1119 |
| 05 0925 | 05 0925 | 08 0223 | 08 0223 | 04 1206 | 04 1206 |
| 05 0928 | 05 0928 | 08 0226 | 08 0226 | 04 1213 | 04 1213 |
| 05 1204 | 05 1204 | 08 0227 | 08 0227 | 04 1220 | 04 1220 |
| 06 0702 | 06 0702 | 08 0305 | 08 0305 | 05 0103 | 05 0103 |
| 06 0817 | 06 0817 | 08 0307 | 08 0307 | 05 0521 | 05 0521 |
| 06 0826 | 06 0826 | 08 0327 | 08 0327 | 05 0604 | 05 0604 |
| 06 0905 | 06 0905 | 08 0328 | 08 0328 | 05 0607 | 05 0607 |
| 06 0907 | 06 0907 | 08 0401 | 08 0401 | 05 0618 | 05 0618 |
| 06 0910 | 06 0910 | 08 0408 | 08 0408 | 05 0730 | 05 0730 |
| 06 0920 | 06 0920 | 08 0414 | 08 0414 | 05 0819 | 05 0819 |
| 06 0927 | 06 0927 | 08 0426 | 08 0426 | 05 0820 | 05 0820 |
| 07 0308 | 07 0308 | 08 0503 | 08 0503 | 05 0822 | 05 0822 |
| 07 0309 | 07 0309 | 08 0517 | 08 0517 | 05 0827 | 05 0827 |
| 07 0313 | 07 0313 | 08 0605 | 08 0605 | 05 0831 | 05 0831 |
| 07 0315 | 07 0315 | 08 0608 | 08 0608 | 05 0920 | 05 0920 |
| 07 0317 | 07 0317 | 08 0611 | 08 0611 | 05 1128 | 05 1128 |
| 07 0415 | 07 0415 | 08 0621 | 08 0621 | 06 0509 | 06 0509 |
| 07 0608 | 07 0608 | 08 0626 | 08 0626 | 06 0701 | 06 0701 |
| 07 0614 | 07 0614 | 08 0627 | 08 0627 | 06 0818 | 06 0818 |
| 07 0618 | 07 0618 | 08 0702 | 08 0702 | 06 0819 | 06 0819 |
| 07 0625 | 07 0625 | 08 0717 | 08 0717 | 06 0901 | 06 0901 |
| 07 0626 | 07 0626 | 08 0718 | 08 0718 | 06 0902 | 06 0902 |
| 07 0627 | 07 0627 | 08 0816 | 08 0816 | 06 0903 | 06 0903 |
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| 07 0716 | 07 0716 | 08 0830 | 08 0830 | 06 0913 | 06 0913 |
| 07 0718 | 07 0718 | 08 0913 | 08 0913 | 06 0917 | 06 0917 |
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| 07 0810 | 07 0810 | 08 0918 | 08 0918 | 06 0924 | 06 0924 |
| 07 0820 | 07 0820 | 08 0920 | 08 0920 | 06 0929 | 06 0929 |
| 07 0905 | 07 0905 | 08 0921 | 08 0921 | 06 1001 | 06 1001 |
| 07 0909 | 07 0909 | 08 0925 | 08 0925 | 06 1011 | 06 1011 |
| 07 0914 | 07 0914 | 08 0930 | 08 0930 | 06 1012 | 06 1012 |
| 07 1007 | 07 1007 | 08 1004 | 08 1004 | 06 1016 | 06 1016 |

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| 06 1017 | 06 1017 | 08 0802 | 08 0802 | 06 0206 | 06 0206 |
| 06 1028 | 06 1028 | 08 0815 | 08 0815 | 06 0225 | 06 0225 |
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| 07 0311 | 07 0311 | 08 0828 | 08 0828 | 06 0810 | 06 0810 |
| 07 0314 | 07 0314 | 08 0901 | 08 0901 | 06 0811 | 06 0811 |
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| 07 0324 | 07 0324 | 08 0909 | 08 0909 | 06 0827 | 06 0827 |
| 07 0325 | 07 0325 | 08 0912 | 08 0912 | 06 0829 | 06 0829 |
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| 07 0424 | 07 0424 | 08 0923 | 08 0923 | 06 0914 | 06 0914 |
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| 07 0427 | 07 0427 | 08 0926 | 08 0926 | 06 0928 | 06 0928 |
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| 07 0521 | 07 0521 | 08 1009 | 08 1009 | 06 1015 | 06 1015 |
| 07 0524 | 07 0524 | 08 1022 | 08 1022 | 06 1021 | 06 1021 |
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| 07 0629 | 07 0629 | 0.00 0.000 | | 07 0321 | 07 0321 |
| 07 0710 | 07 0710 | 2000.00 0.000 | | 07 0328 | 07 0328 |
| 07 0720 | 07 0720 | 3100.00 25.853 | | 07 0331 | 07 0331 |
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| 07 0801 | 07 0801 | 6730.00 60.330 | | 07 0404 | 07 0404 |
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| 07 0924 | 07 0924 | 21900.00 61.772 | | 07 0409 | 07 0409 |
| 07 1008 | 07 1008 | 28000.00 57.468 | | 07 0410 | 07 0410 |
| 07 1010 | 07 1010 | 37900.00 46.689 | | 07 0411 | 07 0411 |
| 07 1024 | 07 1024 | 41000.00 28.014 | | 07 0413 | 07 0413 |
| 07 1026 | 07 1026 | 60000.00 3.592 | | 07 0416 | 07 0416 |
| 07 1027 | 07 1027 | 'CURVE10' 118 13 0 0 | | 07 0421 | 07 0421 |
| 07 1101 | 07 1101 | 04 1005 04 1005 | | 07 0422 | 07 0422 |
| 07 1118 | 07 1118 | 04 1013 04 1013 | | 07 0423 | 07 0423 |
| 07 1121 | 07 1121 | 04 1020 04 1020 | | 07 0430 | 07 0430 |
| 07 1124 | 07 1124 | 04 1029 04 1029 | | 07 0517 | 07 0517 |
| 07 1130 | 07 1130 | 04 1124 04 1124 | | 07 0518 | 07 0518 |
| 07 1225 | 07 1225 | 05 0110 05 0110 | | 07 0522 | 07 0522 |
| 07 1226 | 07 1226 | 05 0325 05 0325 | | 07 0523 | 07 0523 |
| 07 1227 | 07 1227 | 05 0707 05 0707 | | 07 0607 | 07 0607 |
| 07 1228 | 07 1228 | 05 0716 05 0716 | | 07 0713 | 07 0713 |
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| 08 0419 | 08 0419 | 05 0907 05 0907 | | 07 0926 | 07 0926 |
| 08 0522 | 08 0522 | 05 0922 05 0922 | | 07 1006 | 07 1006 |
| 08 0524 | 08 0524 | 05 1025 05 1025 | | 07 1023 | 07 1023 |
| 08 0610 | 08 0610 | 05 1029 05 1029 | | 07 1120 | 07 1120 |
| 08 0615 | 08 0615 | 05 1111 05 1111 | | 08 0126 | 08 0126 |
| 08 0624 | 08 0624 | 05 1114 05 1114 | | 08 0214 | 08 0214 |
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| 08 0705 | 08 0705 | 05 1201 05 1201 | | 08 0322 | 08 0322 |
| 08 0715 | 08 0715 | 05 1217 05 1217 | | 08 0323 | 08 0323 |
| 08 0719 | 08 0719 | 05 1231 05 1231 | | 08 0410 | 08 0410 |
| 08 0720 | 08 0720 | 06 0205 06 0205 | | 08 0422 | 08 0422 |

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| 08 0529 | 08 0529 | 05 1224 | 05 1224 | 07 1210 | 07 1210 |
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| 08 0602 | 08 0602 | 06 0115 | 06 0115 | 08 0102 | 08 0102 |
| 08 0604 | 08 0604 | 06 0129 | 06 0129 | 08 0105 | 08 0105 |
| 08 0612 | 08 0612 | 06 0208 | 06 0208 | 08 0107 | 08 0107 |
| 08 0716 | 08 0716 | 06 0212 | 06 0212 | 08 0207 | 08 0207 |
| 08 0721 | 08 0721 | 06 0303 | 06 0303 | 08 0216 | 08 0216 |
| 08 0904 | 08 0904 | 06 0305 | 06 0305 | 08 0225 | 08 0225 |
| 08 0919 | 08 0919 | 06 0308 | 06 0308 | 08 0321 | 08 0321 |
| 08 1007 | 08 1007 | 06 0309 | 06 0309 | 08 0324 | 08 0324 |
| 08 1008 | 08 1008 | 06 0318 | 06 0318 | 08 0325 | 08 0325 |
| 08 1013 | 08 1013 | 06 0510 | 06 0510 | 08 0326 | 08 0326 |
| 08 1014 | 08 1014 | 06 0628 | 06 0628 | 08 0409 | 08 0409 |
| 08 1015 | 08 1015 | 06 0704 | 06 0704 | 08 0501 | 08 0501 |
| 08 1016 | 08 1016 | 06 0707 | 06 0707 | 08 0502 | 08 0502 |
| 08 1017 | 08 1017 | 06 0708 | 06 0708 | 08 0520 | 08 0520 |
| 08 1019 | 08 1019 | 06 0709 | 06 0709 | 08 0521 | 08 0521 |
| 08 1021 | 08 1021 | 06 0803 | 06 0803 | 08 0528 | 08 0528 |
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| 08 1123 | 08 1123 | 06 0806 | 06 0806 | 08 0607 | 08 0607 |
| 08 1211 | 08 1211 | 06 0807 | 06 0807 | 08 0616 | 08 0616 |
| 08 1213 | 08 1213 | 06 0808 | 06 0808 | 08 0622 | 08 0622 |
| 08 1226 | 08 1226 | 06 0831 | 06 0831 | 08 0623 | 08 0623 |
| 0.00 | 0.000 | 06 1004 | 06 1004 | 08 0629 | 08 0629 |
| 2000.00 | 0.000 | 06 1007 | 06 1007 | 08 0724 | 08 0724 |
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| 6730.00 | 55.942 | 06 1013 | 06 1013 | 08 0821 | 08 0821 |
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| 10000.00 | 63.261 | 06 1115 | 06 1115 | 08 0827 | 08 0827 |
| 12900.00 | 62.596 | 06 1118 | 06 1118 | 08 0902 | 08 0902 |
| 21900.00 | 57.279 | 06 1126 | 06 1126 | 08 0927 | 08 0927 |
| 28000.00 | 53.288 | 06 1209 | 06 1209 | 08 1012 | 08 1012 |
| 37900.00 | 43.294 | 06 1230 | 06 1230 | 08 1031 | 08 1031 |
| 41000.00 | 25.976 | 07 0107 | 07 0107 | 08 1115 | 08 1115 |
| 60000.00 | 3.330 | 07 0108 | 07 0108 | 08 1122 | 08 1122 |
| 'CURVE11' | 129 13 0 0 | 07 0110 | 07 0110 | 08 1201 | 08 1201 |
| 04 1004 | 04 1004 | 07 0116 | 07 0116 | 08 1202 | 08 1202 |
| 04 1009 | 04 1009 | 07 0302 | 07 0302 | 08 1204 | 08 1204 |
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| 04 1022 | 04 1022 | 07 0319 | 07 0319 | 0.00 | 0.000 |
| 04 1024 | 04 1024 | 07 0327 | 07 0327 | 2000.00 | 0.000 |
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| 05 0719 | 05 0719 | 07 0509 | 07 0509 | 12900.00 | 58.546 |
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| 05 0812 | 05 0812 | 07 0622 | 07 0622 | 41000.00 | 24.295 |
| 05 0816 | 05 0816 | 07 0705 | 07 0705 | 60000.00 | 3.115 |
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| 05 0923 | 05 0923 | 07 0908 | 07 0908 | 04 1006 | 04 1006 |
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| 04 1011 | 04 1011 | 06 0223 | 06 0223 | 07 0114 | 07 0114 |
| 04 1021 | 04 1021 | 06 0226 | 06 0226 | 07 0115 | 07 0115 |
| 04 1026 | 04 1026 | 06 0228 | 06 0228 | 07 0117 | 07 0117 |
| 04 1031 | 04 1031 | 06 0301 | 06 0301 | 07 0119 | 07 0119 |
| 04 1116 | 04 1116 | 06 0302 | 06 0302 | 07 0120 | 07 0120 |
| 04 1118 | 04 1118 | 06 0304 | 06 0304 | 07 0122 | 07 0122 |
| 04 1202 | 04 1202 | 06 0307 | 06 0307 | 07 0123 | 07 0123 |
| 04 1205 | 04 1205 | 06 0512 | 06 0512 | 07 0124 | 07 0124 |
| 04 1208 | 04 1208 | 06 0610 | 06 0610 | 07 0218 | 07 0218 |
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| 04 1221 | 04 1221 | 06 0626 | 06 0626 | 07 0304 | 07 0304 |
| 05 0101 | 05 0101 | 06 0627 | 06 0627 | 07 0305 | 07 0305 |
| 05 0104 | 05 0104 | 06 0703 | 06 0703 | 07 0306 | 07 0306 |
| 05 0106 | 05 0106 | 06 0705 | 06 0705 | 07 0419 | 07 0419 |
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| 05 0111 | 05 0111 | 06 0911 | 06 0911 | 07 0515 | 07 0515 |
| 05 0324 | 05 0324 | 06 0916 | 06 0916 | 07 0516 | 07 0516 |
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| 05 0526 | 05 0526 | 06 1102 | 06 1102 | 07 0604 | 07 0604 |
| 05 0527 | 05 0527 | 06 1103 | 06 1103 | 07 0605 | 07 0605 |
| 05 0601 | 05 0601 | 06 1107 | 06 1107 | 07 0606 | 07 0606 |
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| 05 0614 | 05 0614 | 06 1109 | 06 1109 | 07 0723 | 07 0723 |
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| 05 0717 | 05 0717 | 06 1114 | 06 1114 | 07 0919 | 07 0919 |
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| 05 0805 | 05 0805 | 06 1119 | 06 1119 | 07 0929 | 07 0929 |
| 05 0813 | 05 0813 | 06 1123 | 06 1123 | 07 1009 | 07 1009 |
| 05 0814 | 05 0814 | 06 1129 | 06 1129 | 07 1022 | 07 1022 |
| 05 0818 | 05 0818 | 06 1205 | 06 1205 | 07 1030 | 07 1030 |
| 05 0916 | 05 0916 | 06 1206 | 06 1206 | 07 1031 | 07 1031 |
| 05 0924 | 05 0924 | 06 1207 | 06 1207 | 07 1106 | 07 1106 |
| 05 1003 | 05 1003 | 06 1208 | 06 1208 | 07 1107 | 07 1107 |
| 05 1007 | 05 1007 | 06 1210 | 06 1210 | 07 1108 | 07 1108 |
| 05 1022 | 05 1022 | 06 1211 | 06 1211 | 07 1112 | 07 1112 |
| 05 1026 | 05 1026 | 06 1212 | 06 1212 | 07 1123 | 07 1123 |
| 05 1027 | 05 1027 | 06 1213 | 06 1213 | 07 1217 | 07 1217 |
| 05 1117 | 05 1117 | 06 1214 | 06 1214 | 07 1224 | 07 1224 |
| 05 1118 | 05 1118 | 06 1215 | 06 1215 | 08 0131 | 08 0131 |
| 05 1206 | 05 1206 | 06 1216 | 06 1216 | 08 0206 | 08 0206 |
| 05 1209 | 05 1209 | 06 1217 | 06 1217 | 08 0210 | 08 0210 |
| 05 1211 | 05 1211 | 06 1219 | 06 1219 | 08 0217 | 08 0217 |
| 05 1215 | 05 1215 | 06 1220 | 06 1220 | 08 0219 | 08 0219 |
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| 05 1219 | 05 1219 | 06 1222 | 06 1222 | 08 0311 | 08 0311 |
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| 05 1221 | 05 1221 | 06 1227 | 06 1227 | 08 0331 | 08 0331 |
| 05 1222 | 05 1222 | 06 1228 | 06 1228 | 08 0404 | 08 0404 |
| 05 1223 | 05 1223 | 06 1229 | 06 1229 | 08 0425 | 08 0425 |
| 05 1230 | 05 1230 | 06 1231 | 06 1231 | 08 0430 | 08 0430 |
| 06 0118 | 06 0118 | 07 0101 | 07 0101 | 08 0504 | 08 0504 |
| 06 0122 | 06 0122 | 07 0102 | 07 0102 | 08 0510 | 08 0510 |
| 06 0123 | 06 0123 | 07 0103 | 07 0103 | 08 0519 | 08 0519 |
| 06 0204 | 06 0204 | 07 0104 | 07 0104 | 08 0527 | 08 0527 |
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| 06 0218 | 06 0218 | 07 0106 | 07 0106 | 08 0617 | 08 0617 |
| 06 0219 | 06 0219 | 07 0111 | 07 0111 | 08 0625 | 08 0625 |
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| 08 0713 | 08 0713 | 05 0408 | 05 0408 | 06 0221 | 06 0221 |
| 08 0714 | 08 0714 | 05 0410 | 05 0410 | 06 0224 | 06 0224 |
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| 08 0818 | 08 0818 | 05 0603 | 05 0603 | 06 0306 | 06 0306 |
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| 08 0929 | 08 0929 | 05 0705 | 05 0705 | 06 0520 | 06 0520 |
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| 08 1006 | 08 1006 | 05 0712 | 05 0712 | 06 0604 | 06 0604 |
| 08 1029 | 08 1029 | 05 0713 | 05 0713 | 06 0606 | 06 0606 |
| 08 1030 | 08 1030 | 05 0715 | 05 0715 | 06 0607 | 06 0607 |
| 08 1101 | 08 1101 | 05 0725 | 05 0725 | 06 0608 | 06 0608 |
| 08 1102 | 08 1102 | 05 0804 | 05 0804 | 06 0616 | 06 0616 |
| 08 1104 | 08 1104 | 05 0807 | 05 0807 | 06 0617 | 06 0617 |
| 08 1114 | 08 1114 | 05 0903 | 05 0903 | 06 0620 | 06 0620 |
| 08 1119 | 08 1119 | 05 0926 | 05 0926 | 06 0623 | 06 0623 |
| 08 1120 | 08 1120 | 05 0927 | 05 0927 | 06 0624 | 06 0624 |
| 08 1124 | 08 1124 | 05 0930 | 05 0930 | 06 0715 | 06 0715 |
| 08 1203 | 08 1203 | 05 1002 | 05 1002 | 06 0716 | 06 0716 |
| 08 1220 | 08 1220 | 05 1004 | 05 1004 | 06 0718 | 06 0718 |
| 0.00 | 0.000 | 05 1021 | 05 1021 | 06 0720 | 06 0720 |
| 2000.00 | 0.000 | 05 1023 | 05 1023 | 06 0727 | 06 0727 |
| 3100.00 | 20.737 | 05 1028 | 05 1028 | 06 0729 | 06 0729 |
| 4200.00 | 31.707 | 05 1105 | 05 1105 | 06 0925 | 06 0925 |
| 6730.00 | 48.392 | 05 1108 | 05 1108 | 06 1003 | 06 1003 |
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| 10000.00 | 54.723 | 05 1115 | 05 1115 | 06 1020 | 06 1020 |
| 12900.00 | 54.148 | 05 1116 | 05 1116 | 06 1022 | 06 1022 |
| 21900.00 | 49.549 | 05 1120 | 05 1120 | 06 1024 | 06 1024 |
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| 37900.00 | 37.451 | 05 1123 | 05 1123 | 06 1026 | 06 1026 |
| 41000.00 | 22.471 | 05 1126 | 05 1126 | 06 1027 | 06 1027 |
| 60000.00 | 2.881 | 05 1127 | 05 1127 | 06 1031 | 06 1031 |
| 'CURVE13' | 195 13 0 0 | 05 1225 | 05 1225 | 06 1105 | 06 1105 |
| 04 0907 | 04 0907 | 05 1226 | 05 1226 | 06 1106 | 06 1106 |
| 04 0920 | 04 0920 | 05 1227 | 05 1227 | 06 1113 | 06 1113 |
| 04 0923 | 04 0923 | 05 1229 | 05 1229 | 06 1116 | 06 1116 |
| 04 1014 | 04 1014 | 06 0101 | 06 0101 | 06 1120 | 06 1120 |
| 04 1018 | 04 1018 | 06 0102 | 06 0102 | 06 1121 | 06 1121 |
| 04 1028 | 04 1028 | 06 0103 | 06 0103 | 06 1122 | 06 1122 |
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| 04 1105 | 04 1105 | 06 0105 | 06 0105 | 06 1130 | 06 1130 |
| 04 1107 | 04 1107 | 06 0106 | 06 0106 | 06 1204 | 06 1204 |
| 04 1112 | 04 1112 | 06 0107 | 06 0107 | 06 1218 | 06 1218 |
| 04 1117 | 04 1117 | 06 0108 | 06 0108 | 06 1226 | 06 1226 |
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| 04 1201 | 04 1201 | 06 0111 | 06 0111 | 07 0121 | 07 0121 |
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| 04 1215 | 04 1215 | 06 0117 | 06 0117 | 07 0221 | 07 0221 |
| 04 1216 | 04 1216 | 06 0120 | 06 0120 | 07 0222 | 07 0222 |
| 04 1219 | 04 1219 | 06 0124 | 06 0124 | 07 0223 | 07 0223 |
| 04 1230 | 04 1230 | 06 0125 | 06 0125 | 07 0226 | 07 0226 |
| 05 0105 | 05 0105 | 06 0126 | 06 0126 | 07 0326 | 07 0326 |
| 05 0113 | 05 0113 | 06 0127 | 06 0127 | 07 0418 | 07 0418 |
| 05 0211 | 05 0211 | 06 0128 | 06 0128 | 07 0505 | 07 0505 |
| 05 0213 | 05 0213 | 06 0130 | 06 0130 | 07 0507 | 07 0507 |
| 05 0216 | 05 0216 | 06 0131 | 06 0131 | 07 0508 | 07 0508 |
| 05 0218 | 05 0218 | 06 0203 | 06 0203 | 07 0603 | 07 0603 |
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| 07 0706 | 07 0706 | 04 1017 | 04 1017 | 06 0603 | 06 0603 |
| 07 0708 | 07 0708 | 04 1019 | 04 1019 | 06 0605 | 06 0605 |
| 07 0806 | 07 0806 | 04 1111 | 04 1111 | 06 0612 | 06 0612 |
| 07 0813 | 07 0813 | 04 1114 | 04 1114 | 06 0625 | 06 0625 |
| 07 0818 | 07 0818 | 04 1127 | 04 1127 | 06 0630 | 06 0630 |
| 07 0907 | 07 0907 | 04 1212 | 04 1212 | 06 0710 | 06 0710 |
| 07 0910 | 07 0910 | 05 0107 | 05 0107 | 06 0711 | 06 0711 |
| 07 0911 | 07 0911 | 05 0116 | 05 0116 | 06 0713 | 06 0713 |
| 07 1021 | 07 1021 | 05 0329 | 05 0329 | 06 0714 | 06 0714 |
| 07 1028 | 07 1028 | 05 0330 | 05 0330 | 06 0719 | 06 0719 |
| 08 0122 | 08 0122 | 05 0331 | 05 0331 | 06 0721 | 06 0721 |
| 08 0204 | 08 0204 | 05 0523 | 05 0523 | 06 0722 | 06 0722 |
| 08 0208 | 08 0208 | 05 0617 | 05 0617 | 06 0723 | 06 0723 |
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| 08 0213 | 08 0213 | 05 0621 | 05 0621 | 06 0726 | 06 0726 |
| 08 0228 | 08 0228 | 05 0624 | 05 0624 | 06 0728 | 06 0728 |
| 08 0312 | 08 0312 | 05 0625 | 05 0625 | 06 0731 | 06 0731 |
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| 08 0407 | 08 0407 | 05 0629 | 05 0629 | 06 0816 | 06 0816 |
| 08 0506 | 08 0506 | 05 0703 | 05 0703 | 06 1018 | 06 1018 |
| 08 0507 | 08 0507 | 05 0706 | 05 0706 | 06 1029 | 06 1029 |
| 08 0509 | 08 0509 | 05 0902 | 05 0902 | 06 1128 | 06 1128 |
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| 08 0723 | 08 0723 | 05 1001 | 05 1001 | 07 0224 | 07 0224 |
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| 08 0907 | 08 0907 | 05 1016 | 05 1016 | 07 0402 | 07 0402 |
| 08 0910 | 08 0910 | 05 1024 | 05 1024 | 07 0426 | 07 0426 |
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| 08 1103 | 08 1103 | 05 1103 | 05 1103 | 07 0709 | 07 0709 |
| 08 1106 | 08 1106 | 05 1107 | 05 1107 | 07 0827 | 07 0827 |
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| 08 1118 | 08 1118 | 05 1130 | 05 1130 | 08 0124 | 08 0124 |
| 08 1216 | 08 1216 | 05 1208 | 05 1208 | 08 0125 | 08 0125 |
| 08 1217 | 08 1217 | 05 1218 | 05 1218 | 08 0211 | 08 0211 |
| 08 1218 | 08 1218 | 06 0121 | 06 0121 | 08 0221 | 08 0221 |
| 08 1219 | 08 1219 | 06 0215 | 06 0215 | 08 0302 | 08 0302 |
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| 3100.00 | 19.121 | 06 0315 | 06 0315 | 08 0314 | 08 0314 |
| 4200.00 | 29.235 | 06 0316 | 06 0316 | 08 0318 | 08 0318 |
| 6730.00 | 44.619 | 06 0320 | 06 0320 | 08 0319 | 08 0319 |
| 8160.00 | 47.273 | 06 0321 | 06 0321 | 08 0427 | 08 0427 |
| 10000.00 | 50.457 | 06 0322 | 06 0322 | 08 0508 | 08 0508 |
| 12900.00 | 49.927 | 06 0324 | 06 0324 | 08 0513 | 08 0513 |
| 21900.00 | 45.686 | 06 0325 | 06 0325 | 08 0514 | 08 0514 |
| 28000.00 | 42.502 | 06 0326 | 06 0326 | 08 0516 | 08 0516 |
| 37900.00 | 34.531 | 06 0422 | 06 0422 | 08 0630 | 08 0630 |
| 41000.00 | 20.719 | 06 0513 | 06 0513 | 08 0727 | 08 0727 |
| 60000.00 | 2.656 | 06 0516 | 06 0516 | 08 0729 | 08 0729 |
| 'CURVE14' | 141 13 0 0 | 06 0517 | 06 0517 | 08 0730 | 08 0730 |
| 04 0628 | 04 0628 | 06 0518 | 06 0518 | 08 0731 | 08 0731 |
| 04 0704 | 04 0704 | 06 0519 | 06 0519 | 08 0805 | 08 0805 |
| 04 0808 | 04 0808 | 06 0522 | 06 0522 | 08 0806 | 08 0806 |
| 04 0809 | 04 0809 | 06 0523 | 06 0523 | 08 0809 | 08 0809 |
| 04 0810 | 04 0810 | 06 0524 | 06 0524 | 08 0813 | 08 0813 |
| 04 0811 | 04 0811 | 06 0528 | 06 0528 | 08 0825 | 08 0825 |
| 04 0915 | 04 0915 | 06 0529 | 06 0529 | 08 1023 | 08 1023 |

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| 08 1105 | 08 1105 | 05 0711 | 05 0711 | 08 0515 | 08 0515 |
| 08 1107 | 08 1107 | 05 0731 | 05 0731 | 08 0722 | 08 0722 |
| 08 1109 | 08 1109 | 05 0901 | 05 0901 | 08 0728 | 08 0728 |
| 08 1113 | 08 1113 | 05 0914 | 05 0914 | 08 0803 | 08 0803 |
| 08 1117 | 08 1117 | 05 0915 | 05 0915 | 08 0807 | 08 0807 |
| 08 1121 | 08 1121 | 05 0929 | 05 0929 | 08 0808 | 08 0808 |
| 08 1214 | 08 1214 | 05 1009 | 05 1009 | 08 1025 | 08 1025 |
| 08 1222 | 08 1222 | 05 1010 | 05 1010 | 08 1221 | 08 1221 |
| 0.00 | 0.000 | 05 1031 | 05 1031 | 08 1223 | 08 1223 |
| 2000.00 | 0.000 | 05 1104 | 05 1104 | 0.00 | 0.000 |
| 3100.00 | 17.401 | 05 1110 | 05 1110 | 2000.00 | 0.000 |
| 4200.00 | 26.605 | 05 1112 | 05 1112 | 3100.00 | 15.775 |
| 6730.00 | 40.605 | 05 1119 | 05 1119 | 4200.00 | 24.119 |
| 8160.00 | 43.020 | 05 1129 | 05 1129 | 6730.00 | 36.811 |
| 10000.00 | 45.917 | 05 1205 | 05 1205 | 8160.00 | 39.001 |
| 12900.00 | 45.435 | 05 1207 | 05 1207 | 10000.00 | 41.627 |
| 21900.00 | 41.576 | 05 1213 | 05 1213 | 12900.00 | 41.190 |
| 28000.00 | 38.679 | 06 0116 | 06 0116 | 21900.00 | 37.692 |
| 37900.00 | 31.424 | 06 0201 | 06 0201 | 28000.00 | 35.065 |
| 41000.00 | 18.855 | 06 0202 | 06 0202 | 37900.00 | 28.488 |
| 60000.00 | 2.417 | 06 0311 | 06 0311 | 41000.00 | 17.093 |
| 'CURVE15' | 113 13 0 0 | 06 0408 | 06 0408 | 60000.00 | 2.191 |
| 04 0707 | 04 0707 | 06 0419 | 06 0419 | 'CURVE16' | 118 13 0 0 |
| 04 0802 | 04 0802 | 06 0421 | 06 0421 | 04 0625 | 04 0625 |
| 04 0812 | 04 0812 | 06 0426 | 06 0426 | 04 0629 | 04 0629 |
| 04 0816 | 04 0816 | 06 0427 | 06 0427 | 04 0702 | 04 0702 |
| 04 0823 | 04 0823 | 06 0429 | 06 0429 | 04 0705 | 04 0705 |
| 04 0914 | 04 0914 | 06 0507 | 06 0507 | 04 0706 | 04 0706 |
| 04 0916 | 04 0916 | 06 0508 | 06 0508 | 04 0712 | 04 0712 |
| 04 0922 | 04 0922 | 06 0525 | 06 0525 | 04 0713 | 04 0713 |
| 04 0924 | 04 0924 | 06 0527 | 06 0527 | 04 0726 | 04 0726 |
| 04 1023 | 04 1023 | 06 0531 | 06 0531 | 04 0801 | 04 0801 |
| 04 1108 | 04 1108 | 06 0611 | 06 0611 | 04 0820 | 04 0820 |
| 04 1109 | 04 1109 | 06 0613 | 06 0613 | 04 0830 | 04 0830 |
| 04 1110 | 04 1110 | 06 0621 | 06 0621 | 04 0911 | 04 0911 |
| 04 1125 | 04 1125 | 06 0622 | 06 0622 | 04 0912 | 04 0912 |
| 04 1128 | 04 1128 | 06 0712 | 06 0712 | 04 0925 | 04 0925 |
| 04 1203 | 04 1203 | 06 0717 | 06 0717 | 04 1002 | 04 1002 |
| 04 1204 | 04 1204 | 06 0725 | 06 0725 | 04 1016 | 04 1016 |
| 04 1211 | 04 1211 | 06 0730 | 06 0730 | 04 1126 | 04 1126 |
| 05 0102 | 05 0102 | 06 0805 | 06 0805 | 04 1218 | 04 1218 |
| 05 0115 | 05 0115 | 06 0915 | 06 0915 | 04 1226 | 04 1226 |
| 05 0118 | 05 0118 | 06 0923 | 06 0923 | 04 1227 | 04 1227 |
| 05 0126 | 05 0126 | 06 1006 | 06 1006 | 04 1231 | 04 1231 |
| 05 0214 | 05 0214 | 06 1023 | 06 1023 | 05 0108 | 05 0108 |
| 05 0217 | 05 0217 | 06 1030 | 06 1030 | 05 0119 | 05 0119 |
| 05 0222 | 05 0222 | 06 1124 | 06 1124 | 05 0121 | 05 0121 |
| 05 0412 | 05 0412 | 06 1127 | 06 1127 | 05 0124 | 05 0124 |
| 05 0415 | 05 0415 | 06 1202 | 06 1202 | 05 0128 | 05 0128 |
| 05 0416 | 05 0416 | 06 1203 | 06 1203 | 05 0130 | 05 0130 |
| 05 0420 | 05 0420 | 07 0203 | 07 0203 | 05 0204 | 05 0204 |
| 05 0423 | 05 0423 | 07 0217 | 07 0217 | 05 0210 | 05 0210 |
| 05 0424 | 05 0424 | 07 0228 | 07 0228 | 05 0212 | 05 0212 |
| 05 0425 | 05 0425 | 07 0322 | 07 0322 | 05 0215 | 05 0215 |
| 05 0426 | 05 0426 | 07 0414 | 07 0414 | 05 0223 | 05 0223 |
| 05 0427 | 05 0427 | 07 0704 | 07 0704 | 05 0309 | 05 0309 |
| 05 0430 | 05 0430 | 07 1004 | 07 1004 | 05 0407 | 05 0407 |
| 05 0504 | 05 0504 | 07 1115 | 07 1115 | 05 0411 | 05 0411 |
| 05 0524 | 05 0524 | 08 0114 | 08 0114 | 05 0413 | 05 0413 |
| 05 0531 | 05 0531 | 08 0123 | 08 0123 | 05 0414 | 05 0414 |
| 05 0623 | 05 0623 | 08 0129 | 08 0129 | 05 0418 | 05 0418 |
| 05 0701 | 05 0701 | 08 0229 | 08 0229 | 05 0419 | 05 0419 |
| 05 0702 | 05 0702 | 08 0428 | 08 0428 | 05 0421 | 05 0421 |

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| 05 0429 | 05 0429 | 07 1015 | 07 1015 | 04 0903 | 04 0903 |
| 05 0501 | 05 0501 | 08 0205 | 08 0205 | 04 0905 | 04 0905 |
| 05 0502 | 05 0502 | 08 0421 | 08 0421 | 04 0906 | 04 0906 |
| 05 0503 | 05 0503 | 08 0505 | 08 0505 | 04 0908 | 04 0908 |
| 05 0506 | 05 0506 | 08 0512 | 08 0512 | 04 0910 | 04 0910 |
| 05 0509 | 05 0509 | 08 0518 | 08 0518 | 04 0918 | 04 0918 |
| 05 0517 | 05 0517 | 08 0725 | 08 0725 | 04 1001 | 04 1001 |
| 05 0525 | 05 0525 | 08 0812 | 08 0812 | 04 1003 | 04 1003 |
| 05 0530 | 05 0530 | 08 0915 | 08 0915 | 04 1106 | 04 1106 |
| 05 0627 | 05 0627 | 08 1027 | 08 1027 | 04 1113 | 04 1113 |
| 05 0630 | 05 0630 | 08 1028 | 08 1028 | 04 1225 | 04 1225 |
| 05 0829 | 05 0829 | 08 1111 | 08 1111 | 05 0112 | 05 0112 |
| 05 0830 | 05 0830 | 08 1215 | 08 1215 | 05 0120 | 05 0120 |
| 05 1013 | 05 1013 | 08 1224 | 08 1224 | 05 0123 | 05 0123 |
| 05 1014 | 05 1014 | 0.00 | 0.000 | 05 0125 | 05 0125 |
| 05 1019 | 05 1019 | 2000.00 | 0.000 | 05 0127 | 05 0127 |
| 05 1020 | 05 1020 | 3100.00 | 14.135 | 05 0202 | 05 0202 |
| 05 1124 | 05 1124 | 4200.00 | 21.612 | 05 0207 | 05 0207 |
| 06 0214 | 06 0214 | 6730.00 | 32.985 | 05 0209 | 05 0209 |
| 06 0312 | 06 0312 | 8160.00 | 34.947 | 05 0225 | 05 0225 |
| 06 0313 | 06 0313 | 10000.00 | 37.300 | 05 0226 | 05 0226 |
| 06 0329 | 06 0329 | 12900.00 | 36.908 | 05 0228 | 05 0228 |
| 06 0404 | 06 0404 | 21900.00 | 33.773 | 05 0417 | 05 0417 |
| 06 0405 | 06 0405 | 28000.00 | 31.420 | 05 0422 | 05 0422 |
| 06 0406 | 06 0406 | 37900.00 | 25.527 | 05 0505 | 05 0505 |
| 06 0409 | 06 0409 | 41000.00 | 15.316 | 05 0507 | 05 0507 |
| 06 0410 | 06 0410 | 60000.00 | 1.964 | 05 0508 | 05 0508 |
| 06 0411 | 06 0411 | 'CURVE17' | 114 13 0 0 | 05 0510 | 05 0510 |
| 06 0413 | 06 0413 | 04 0513 | 04 0513 | 05 0511 | 05 0511 |
| 06 0420 | 06 0420 | 04 0517 | 04 0517 | 05 0512 | 05 0512 |
| 06 0423 | 06 0423 | 04 0518 | 04 0518 | 05 0513 | 05 0513 |
| 06 0424 | 06 0424 | 04 0519 | 04 0519 | 05 0518 | 05 0518 |
| 06 0425 | 06 0425 | 04 0520 | 04 0520 | 05 0519 | 05 0519 |
| 06 0428 | 06 0428 | 04 0525 | 04 0525 | 05 0520 | 05 0520 |
| 06 0430 | 06 0430 | 04 0622 | 04 0622 | 05 0522 | 05 0522 |
| 06 0502 | 06 0502 | 04 0623 | 04 0623 | 05 0529 | 05 0529 |
| 06 0503 | 06 0503 | 04 0624 | 04 0624 | 05 0616 | 05 0616 |
| 06 0504 | 06 0504 | 04 0627 | 04 0627 | 05 0619 | 05 0619 |
| 06 0505 | 06 0505 | 04 0630 | 04 0630 | 05 0808 | 05 0808 |
| 06 0515 | 06 0515 | 04 0701 | 04 0701 | 05 1008 | 05 1008 |
| 06 0530 | 06 0530 | 04 0708 | 04 0708 | 05 1011 | 05 1011 |
| 06 0609 | 06 0609 | 04 0714 | 04 0714 | 05 1015 | 05 1015 |
| 06 0706 | 06 0706 | 04 0715 | 04 0715 | 05 1017 | 05 1017 |
| 06 0820 | 06 0820 | 04 0719 | 04 0719 | 05 1018 | 05 1018 |
| 07 0129 | 07 0129 | 04 0723 | 04 0723 | 05 1030 | 05 1030 |
| 07 0130 | 07 0130 | 04 0730 | 04 0730 | 05 1106 | 05 1106 |
| 07 0201 | 07 0201 | 04 0803 | 04 0803 | 06 0310 | 06 0310 |
| 07 0202 | 07 0202 | 04 0804 | 04 0804 | 06 0317 | 06 0317 |
| 07 0204 | 07 0204 | 04 0805 | 04 0805 | 06 0319 | 06 0319 |
| 07 0205 | 07 0205 | 04 0806 | 04 0806 | 06 0323 | 06 0323 |
| 07 0206 | 07 0206 | 04 0815 | 04 0815 | 06 0327 | 06 0327 |
| 07 0207 | 07 0207 | 04 0817 | 04 0817 | 06 0328 | 06 0328 |
| 07 0209 | 07 0209 | 04 0818 | 04 0818 | 06 0330 | 06 0330 |
| 07 0216 | 07 0216 | 04 0819 | 04 0819 | 06 0407 | 06 0407 |
| 07 0219 | 07 0219 | 04 0822 | 04 0822 | 06 0412 | 06 0412 |
| 07 0420 | 07 0420 | 04 0824 | 04 0824 | 06 0418 | 06 0418 |
| 07 0503 | 07 0503 | 04 0825 | 04 0825 | 06 0501 | 06 0501 |
| 07 0525 | 07 0525 | 04 0826 | 04 0826 | 06 0526 | 06 0526 |
| 07 0526 | 07 0526 | 04 0827 | 04 0827 | 06 0614 | 06 0614 |
| 07 0528 | 07 0528 | 04 0829 | 04 0829 | 06 0615 | 06 0615 |
| 07 0711 | 07 0711 | 04 0831 | 04 0831 | 06 0821 | 06 0821 |
| 07 0831 | 07 0831 | 04 0901 | 04 0901 | 06 0922 | 06 0922 |

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|-----------|------------|-----------|------------|-----------|------------|
| 07 0127 | 07 0127 | 04 0909 | 04 0909 | 04 0612 | 04 0612 |
| 07 0210 | 07 0210 | 04 0926 | 04 0926 | 04 0615 | 04 0615 |
| 07 0211 | 07 0211 | 04 0927 | 04 0927 | 04 0618 | 04 0618 |
| 07 0213 | 07 0213 | 04 0928 | 04 0928 | 04 0710 | 04 0710 |
| 07 0214 | 07 0214 | 04 0929 | 04 0929 | 04 0717 | 04 0717 |
| 07 0215 | 07 0215 | 04 0930 | 04 0930 | 04 0722 | 04 0722 |
| 07 0303 | 07 0303 | 04 1123 | 04 1123 | 04 0724 | 04 0724 |
| 07 0504 | 07 0504 | 04 1228 | 04 1228 | 04 0725 | 04 0725 |
| 07 0702 | 07 0702 | 04 1229 | 04 1229 | 04 0728 | 04 0728 |
| 07 1029 | 07 1029 | 05 0129 | 05 0129 | 04 0731 | 04 0731 |
| 08 0317 | 08 0317 | 05 0201 | 05 0201 | 04 0814 | 04 0814 |
| 08 0320 | 08 0320 | 05 0206 | 05 0206 | 04 0821 | 04 0821 |
| 08 0606 | 08 0606 | 05 0219 | 05 0219 | 04 0828 | 04 0828 |
| 08 0804 | 08 0804 | 05 0224 | 05 0224 | 04 0904 | 04 0904 |
| 08 1026 | 08 1026 | 05 0227 | 05 0227 | 04 0913 | 04 0913 |
| 08 1110 | 08 1110 | 05 0302 | 05 0302 | 04 1222 | 04 1222 |
| 08 1112 | 08 1112 | 05 0303 | 05 0303 | 05 0122 | 05 0122 |
| 0.00 | 0.000 | 05 0307 | 05 0307 | 05 0131 | 05 0131 |
| 2000.00 | 0.000 | 05 0308 | 05 0308 | 05 0203 | 05 0203 |
| 3100.00 | 11.941 | 05 0323 | 05 0323 | 05 0205 | 05 0205 |
| 4200.00 | 18.257 | 05 0402 | 05 0402 | 05 0208 | 05 0208 |
| 6730.00 | 27.865 | 05 0514 | 05 0514 | 05 0220 | 05 0220 |
| 8160.00 | 29.522 | 05 0516 | 05 0516 | 05 0301 | 05 0301 |
| 10000.00 | 31.510 | 05 0615 | 05 0615 | 05 0304 | 05 0304 |
| 12900.00 | 31.179 | 05 1006 | 05 1006 | 05 0305 | 05 0305 |
| 21900.00 | 28.531 | 06 0211 | 06 0211 | 05 0306 | 05 0306 |
| 28000.00 | 26.543 | 06 0331 | 06 0331 | 05 0310 | 05 0310 |
| 37900.00 | 21.565 | 06 0403 | 06 0403 | 05 0311 | 05 0311 |
| 41000.00 | 12.939 | 06 0414 | 06 0414 | 05 0312 | 05 0312 |
| 60000.00 | 1.659 | 06 0813 | 06 0813 | 05 0313 | 05 0313 |
| 'CURVE18' | 067 13 0 0 | 07 0208 | 07 0208 | 05 0314 | 05 0314 |
| 04 0503 | 04 0503 | 07 0212 | 07 0212 | 05 0315 | 05 0315 |
| 04 0505 | 04 0505 | 07 1117 | 07 1117 | 05 0316 | 05 0316 |
| 04 0510 | 04 0510 | 08 0121 | 08 0121 | 05 0317 | 05 0317 |
| 04 0511 | 04 0511 | 08 0811 | 08 0811 | 05 0318 | 05 0318 |
| 04 0512 | 04 0512 | 0.00 | 0.000 | 05 0319 | 05 0319 |
| 04 0514 | 04 0514 | 2000.00 | 0.000 | 05 0320 | 05 0320 |
| 04 0516 | 04 0516 | 3100.00 | 8.975 | 05 0321 | 05 0321 |
| 04 0522 | 04 0522 | 4200.00 | 13.723 | 05 0322 | 05 0322 |
| 04 0523 | 04 0523 | 6730.00 | 20.945 | 06 0401 | 06 0401 |
| 04 0524 | 04 0524 | 8160.00 | 22.191 | 06 0415 | 06 0415 |
| 04 0526 | 04 0526 | 10000.00 | 23.685 | 07 0417 | 07 0417 |
| 04 0527 | 04 0527 | 12900.00 | 23.436 | 07 0514 | 07 0514 |
| 04 0528 | 04 0528 | 21900.00 | 21.446 | 0.00 | 0.000 |
| 04 0530 | 04 0530 | 28000.00 | 19.951 | 2000.00 | 0.000 |
| 04 0607 | 04 0607 | 37900.00 | 16.209 | 3100.00 | 6.322 |
| 04 0613 | 04 0613 | 41000.00 | 9.726 | 4200.00 | 9.667 |
| 04 0614 | 04 0614 | 60000.00 | 1.247 | 6730.00 | 14.754 |
| 04 0616 | 04 0616 | 'CURVE19' | 057 13 0 0 | 8160.00 | 15.632 |
| 04 0617 | 04 0617 | 04 0501 | 04 0501 | 10000.00 | 16.684 |
| 04 0619 | 04 0619 | 04 0504 | 04 0504 | 12900.00 | 16.509 |
| 04 0626 | 04 0626 | 04 0506 | 04 0506 | 21900.00 | 15.107 |
| 04 0703 | 04 0703 | 04 0507 | 04 0507 | 28000.00 | 14.054 |
| 04 0709 | 04 0709 | 04 0508 | 04 0508 | 37900.00 | 11.418 |
| 04 0711 | 04 0711 | 04 0509 | 04 0509 | 41000.00 | 6.851 |
| 04 0716 | 04 0716 | 04 0521 | 04 0521 | 60000.00 | 0.878 |
| 04 0718 | 04 0718 | 04 0529 | 04 0529 | 'CURVE20' | 011 13 0 0 |
| 04 0720 | 04 0720 | 04 0601 | 04 0601 | 04 0502 | 04 0502 |
| 04 0721 | 04 0721 | 04 0606 | 04 0606 | 04 0531 | 04 0531 |
| 04 0727 | 04 0727 | 04 0608 | 04 0608 | 04 0602 | 04 0602 |
| 04 0729 | 04 0729 | 04 0609 | 04 0609 | 04 0603 | 04 0603 |
| 04 0807 | 04 0807 | 04 0610 | 04 0610 | 04 0604 | 04 0604 |
| 04 0813 | 04 0813 | 04 0611 | 04 0611 | 04 0605 | 04 0605 |

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| 05 0221 | 05 0221 | 2000.00 | 0.000 | 12900.00 | 4.700 |
| 05 0401 | 05 0401 | 3100.00 | 1.800 | 21900.00 | 4.301 |
| 06 0402 | 06 0402 | 4200.00 | 2.752 | 28000.00 | 4.001 |
| 06 0416 | 06 0416 | 6730.00 | 4.201 | 37900.00 | 3.251 |
| 06 0417 | 06 0417 | 8160.00 | 4.450 | 41000.00 | 1.950 |
| 0.00 | 0.000 | 10000.00 | 4.750 | 60000.00 | 0.250 |

HWBEG Input File for Green Island

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'HUDSON RIVER BASIN'
'JAN 2002 to DEC 2008'
16 16 01 00 15 020101 081231 5 0 1 0
01 'RESVOR' 'GREATSAC' 1 0 366110 366110
02 'RORPLT' 'EJWEST'
03 'RORPLT' 'STEWBRIDGE'
04 'RORPLT' 'CURTIS'
05 'RORPLT' 'PALMER'
06 'RORPLT' 'SPIER'
07 'RORPLT' 'SHERMAN'
08 'RORPLT' 'FEEDER'
09 'RORPLT' 'GLENFALLS'
10 'RORPLT' 'SGLENFALLS'
11 'RORPLT' 'HUDSONFALLS'
12 'RORPLT' 'FTMILLER'
13 'RORPLT' 'STILLWATER'
14 'RORPLT' 'UPPERMECH'
15 'RORPLT' 'MECHANIC'
16 'RORPLT' 'GREENISLAND'
01 01 02 0
02 02 03 0
03 03 04 0
04 04 05 0
05 05 06 0
06 06 07 0
07 07 08 3
08 08 09 0
09 08 10 0
10 09 11 0
11 10 11 0
12 11 12 0
13 12 13 0
14 13 14 0
15 14 15 0
16 15 16 0
02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
16
'GREENISLAND' 'GENERAL' 25
'CURVE01' 024 13 0 0 | 07 0513 07 0513 | 03 0224 03 0224
03 0127 03 0127 | 07 1005 07 1005 | 03 0303 03 0303
03 0203 03 0203 | 08 0728 08 0728 | 03 0310 03 0310
03 0210 03 0210 | 08 1231 08 1231 | 03 0317 03 0317
03 0428 03 0428 | 0.00 0.000 | 03 0331 03 0331
03 0728 03 0728 | 2000.00 0.000 | 03 0414 03 0414
03 0804 03 0804 | 4000.00 92.985 | 03 0505 03 0505
03 1104 03 1104 | 5480.00 142.592 | 03 0512 03 0512
04 0301 04 0301 | 7500.00 170.756 | 03 0527 03 0527
04 0308 04 0308 | 10000.00 193.240 | 03 0609 03 0609
04 0315 04 0315 | 14000.00 203.600 | 03 0616 03 0616
04 0907 04 0907 | 17500.00 216.348 | 03 0714 03 0714
04 1122 04 1122 | 25000.00 193.304 | 03 0908 03 0908
04 1231 04 1231 | 45000.00 185.476 | 03 1215 03 1215
05 0812 05 0812 | 75000.00 171.938 | 04 0202 04 0202
05 0815 05 0815 | 117000.00 94.855 | 04 0209 04 0209
05 0829 05 0829 | 150000.00 82.128 | 04 0323 04 0323
05 1031 05 1031 | 'CURVE02' 058 13 0 0 | 04 0330 04 0330
06 0225 06 0225 | 03 0102 03 0102 | 04 0405 04 0405
06 0629 06 0629 | 03 0113 03 0113 | 04 0412 04 0412
07 0211 07 0211 | 03 0120 03 0120 | 04 0426 04 0426

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| 04 0510 | 04 0510 | 03 1222 | 03 1222 | 7500.00 | 143.064 |
| 04 0517 | 04 0517 | 04 0218 | 04 0218 | 10000.00 | 161.902 |
| 04 0621 | 04 0621 | 04 0329 | 04 0329 | 14000.00 | 170.582 |
| 04 0726 | 04 0726 | 04 0503 | 04 0503 | 17500.00 | 181.262 |
| 04 0928 | 04 0928 | 04 0524 | 04 0524 | 25000.00 | 161.956 |
| 04 1004 | 04 1004 | 04 0607 | 04 0607 | 45000.00 | 155.397 |
| 04 1026 | 04 1026 | 04 0614 | 04 0614 | 75000.00 | 144.054 |
| 04 1206 | 04 1206 | 04 0712 | 04 0712 | 117000.00 | 79.472 |
| 05 0805 | 05 0805 | 04 0830 | 04 0830 | 150000.00 | 68.810 |
| 05 0906 | 05 0906 | 04 0902 | 04 0902 | 'CURVE04' | 115 13 0 0 |
| 05 0925 | 05 0925 | 04 0913 | 04 0913 | 03 0122 | 03 0122 |
| 05 1003 | 05 1003 | 04 0920 | 04 0920 | 03 0407 | 03 0407 |
| 05 1017 | 05 1017 | 04 0925 | 04 0925 | 03 0504 | 03 0504 |
| 05 1201 | 05 1201 | 04 1018 | 04 1018 | 03 0702 | 03 0702 |
| 05 1204 | 05 1204 | 04 1101 | 04 1101 | 03 0707 | 03 0707 |
| 05 1221 | 05 1221 | 04 1213 | 04 1213 | 03 0721 | 03 0721 |
| 05 1227 | 05 1227 | 04 1220 | 04 1220 | 03 0811 | 03 0811 |
| 06 1225 | 06 1225 | 05 0103 | 05 0103 | 03 0915 | 03 0915 |
| 07 0210 | 07 0210 | 05 0110 | 05 0110 | 03 0917 | 03 0917 |
| 07 0401 | 07 0401 | 05 0515 | 05 0515 | 03 1106 | 03 1106 |
| 07 0828 | 07 0828 | 05 0801 | 05 0801 | 03 1229 | 03 1229 |
| 07 0907 | 07 0907 | 05 0803 | 05 0803 | 04 0105 | 04 0105 |
| 07 0913 | 07 0913 | 05 0807 | 05 0807 | 04 0119 | 04 0119 |
| 08 0218 | 08 0218 | 05 0809 | 05 0809 | 04 0201 | 04 0201 |
| 08 0414 | 08 0414 | 05 0810 | 05 0810 | 04 0223 | 04 0223 |
| 08 0420 | 08 0420 | 05 0905 | 05 0905 | 04 0305 | 04 0305 |
| 08 0901 | 08 0901 | 05 1026 | 05 1026 | 04 0401 | 04 0401 |
| 08 0903 | 08 0903 | 06 0115 | 06 0115 | 04 0402 | 04 0402 |
| 08 0905 | 08 0905 | 06 0319 | 06 0319 | 04 0419 | 04 0419 |
| 08 1011 | 08 1011 | 06 0401 | 06 0401 | 04 0601 | 04 0601 |
| 08 1019 | 08 1019 | 06 0415 | 06 0415 | 04 0711 | 04 0711 |
| 08 1030 | 08 1030 | 06 0520 | 06 0520 | 04 0723 | 04 0723 |
| 08 1117 | 08 1117 | 06 0610 | 06 0610 | 04 0725 | 04 0725 |
| 08 1225 | 08 1225 | 06 0904 | 06 0904 | 04 0728 | 04 0728 |
| 0.00 | 0.000 | 07 0114 | 07 0114 | 04 0809 | 04 0809 |
| 2000.00 | 0.000 | 07 0217 | 07 0217 | 04 0905 | 04 0905 |
| 4000.00 | 83.915 | 07 0703 | 07 0703 | 04 0919 | 04 0919 |
| 5480.00 | 128.682 | 07 0817 | 07 0817 | 04 1003 | 04 1003 |
| 7500.00 | 154.100 | 07 0902 | 07 0902 | 04 1012 | 04 1012 |
| 10000.00 | 174.390 | 07 0924 | 07 0924 | 04 1107 | 04 1107 |
| 14000.00 | 183.740 | 07 1002 | 07 1002 | 04 1108 | 04 1108 |
| 17500.00 | 195.244 | 08 0207 | 08 0207 | 04 1115 | 04 1115 |
| 25000.00 | 174.448 | 08 0303 | 08 0303 | 04 1119 | 04 1119 |
| 45000.00 | 167.383 | 08 0309 | 08 0309 | 04 1129 | 04 1129 |
| 75000.00 | 155.166 | 08 0402 | 08 0402 | 04 1225 | 04 1225 |
| 117000.00 | 85.602 | 08 0430 | 08 0430 | 04 1228 | 04 1228 |
| 150000.00 | 74.117 | 08 0503 | 08 0503 | 05 0105 | 05 0105 |
| 'CURVE03' | 074 13 0 0 | 08 0519 | 08 0519 | 05 0117 | 05 0117 |
| 03 0106 | 03 0106 | 08 0609 | 08 0609 | 05 0716 | 05 0716 |
| 03 0421 | 03 0421 | 08 0713 | 08 0713 | 05 0725 | 05 0725 |
| 03 0519 | 03 0519 | 08 0718 | 08 0718 | 05 0802 | 05 0802 |
| 03 0601 | 03 0601 | 08 0902 | 08 0902 | 05 0822 | 05 0822 |
| 03 0602 | 03 0602 | 08 0904 | 08 0904 | 05 0826 | 05 0826 |
| 03 0623 | 03 0623 | 08 1018 | 08 1018 | 05 0904 | 05 0904 |
| 03 0713 | 03 0713 | 08 1106 | 08 1106 | 05 0911 | 05 0911 |
| 03 0715 | 03 0715 | 08 1209 | 08 1209 | 05 0928 | 05 0928 |
| 03 0922 | 03 0922 | 08 1215 | 08 1215 | 05 1010 | 05 1010 |
| 03 0929 | 03 0929 | 08 1226 | 08 1226 | 05 1011 | 05 1011 |
| 03 1006 | 03 1006 | 08 1230 | 08 1230 | 05 1023 | 05 1023 |
| 03 1111 | 03 1111 | 0.00 | 0.000 | 05 1024 | 05 1024 |
| 03 1117 | 03 1117 | 2000.00 | 0.000 | 05 1030 | 05 1030 |
| 03 1201 | 03 1201 | 4000.00 | 77.906 | 05 1112 | 05 1112 |
| 03 1202 | 03 1202 | 5480.00 | 119.467 | 05 1203 | 05 1203 |

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| 05 1230 | 05 1230 | 2000.00 | 0.000 | 05 1206 | 05 1206 |
| 06 0113 | 06 0113 | 4000.00 | 71.022 | 05 1209 | 05 1209 |
| 06 0122 | 06 0122 | 5480.00 | 108.911 | 05 1214 | 05 1214 |
| 06 0123 | 06 0123 | 7500.00 | 130.423 | 05 1217 | 05 1217 |
| 06 0207 | 06 0207 | 10000.00 | 147.595 | 05 1220 | 05 1220 |
| 06 0208 | 06 0208 | 14000.00 | 155.509 | 05 1224 | 05 1224 |
| 06 0212 | 06 0212 | 17500.00 | 165.245 | 06 0112 | 06 0112 |
| 06 0218 | 06 0218 | 25000.00 | 147.645 | 06 0118 | 06 0118 |
| 06 0304 | 06 0304 | 45000.00 | 141.665 | 06 0119 | 06 0119 |
| 06 0305 | 06 0305 | 75000.00 | 131.325 | 06 0124 | 06 0124 |
| 06 0314 | 06 0314 | 117000.00 | 72.449 | 06 0125 | 06 0125 |
| 06 0316 | 06 0316 | 150000.00 | 62.729 | 06 0126 | 06 0126 |
| 06 0325 | 06 0325 | 'CURVE05' | 136 13 0 0 | 06 0127 | 06 0127 |
| 06 0419 | 06 0419 | 03 0121 | 03 0121 | 06 0209 | 06 0209 |
| 06 0506 | 06 0506 | 03 0126 | 03 0126 | 06 0210 | 06 0210 |
| 06 0509 | 06 0509 | 03 0128 | 03 0128 | 06 0220 | 06 0220 |
| 06 0514 | 06 0514 | 03 0211 | 03 0211 | 06 0222 | 06 0222 |
| 06 0604 | 06 0604 | 03 0212 | 03 0212 | 06 0307 | 06 0307 |
| 06 0607 | 06 0607 | 03 0314 | 03 0314 | 06 0309 | 06 0309 |
| 06 0823 | 06 0823 | 03 0318 | 03 0318 | 06 0323 | 06 0323 |
| 06 1014 | 06 1014 | 03 0327 | 03 0327 | 06 0331 | 06 0331 |
| 06 1021 | 06 1021 | 03 0424 | 03 0424 | 06 0409 | 06 0409 |
| 06 1028 | 06 1028 | 03 0603 | 03 0603 | 06 0420 | 06 0420 |
| 06 1113 | 06 1113 | 03 0723 | 03 0723 | 06 0422 | 06 0422 |
| 06 1203 | 06 1203 | 03 0725 | 03 0725 | 06 0429 | 06 0429 |
| 07 0110 | 07 0110 | 03 0907 | 03 0907 | 06 0516 | 06 0516 |
| 07 0111 | 07 0111 | 03 0910 | 03 0910 | 06 0523 | 06 0523 |
| 07 0112 | 07 0112 | 03 1114 | 03 1114 | 06 0609 | 06 0609 |
| 07 0115 | 07 0115 | 03 1120 | 03 1120 | 06 0702 | 06 0702 |
| 07 0118 | 07 0118 | 03 1206 | 03 1206 | 06 0713 | 06 0713 |
| 07 0122 | 07 0122 | 03 1209 | 03 1209 | 06 0724 | 06 0724 |
| 07 0205 | 07 0205 | 03 1219 | 03 1219 | 06 1007 | 06 1007 |
| 07 0214 | 07 0214 | 04 0102 | 04 0102 | 06 1010 | 06 1010 |
| 07 0220 | 07 0220 | 04 0118 | 04 0118 | 06 1030 | 06 1030 |
| 07 0225 | 07 0225 | 04 0226 | 04 0226 | 06 1114 | 06 1114 |
| 07 0310 | 07 0310 | 04 0227 | 04 0227 | 06 1117 | 06 1117 |
| 07 0315 | 07 0315 | 04 0328 | 04 0328 | 06 1123 | 06 1123 |
| 07 0317 | 07 0317 | 04 0404 | 04 0404 | 06 1211 | 06 1211 |
| 07 0409 | 07 0409 | 04 0406 | 04 0406 | 06 1222 | 06 1222 |
| 07 0414 | 07 0414 | 04 0407 | 04 0407 | 06 1223 | 06 1223 |
| 07 0429 | 07 0429 | 04 0530 | 04 0530 | 06 1229 | 06 1229 |
| 07 0822 | 07 0822 | 04 0922 | 04 0922 | 07 0117 | 07 0117 |
| 07 0823 | 07 0823 | 04 1205 | 04 1205 | 07 0119 | 07 0119 |
| 08 0306 | 08 0306 | 05 0106 | 05 0106 | 07 0120 | 07 0120 |
| 08 0312 | 08 0312 | 05 0222 | 05 0222 | 07 0123 | 07 0123 |
| 08 0319 | 08 0319 | 05 0321 | 05 0321 | 07 0213 | 07 0213 |
| 08 0324 | 08 0324 | 05 0418 | 05 0418 | 07 0221 | 07 0221 |
| 08 0330 | 08 0330 | 05 0425 | 05 0425 | 07 0222 | 07 0222 |
| 08 0404 | 08 0404 | 05 0502 | 05 0502 | 07 0228 | 07 0228 |
| 08 0406 | 08 0406 | 05 0626 | 05 0626 | 07 0302 | 07 0302 |
| 08 0608 | 08 0608 | 05 0818 | 05 0818 | 07 0311 | 07 0311 |
| 08 0826 | 08 0826 | 05 0823 | 05 0823 | 07 0312 | 07 0312 |
| 08 0831 | 08 0831 | 05 0910 | 05 0910 | 07 0320 | 07 0320 |
| 08 0906 | 08 0906 | 05 0918 | 05 0918 | 07 0326 | 07 0326 |
| 08 1004 | 08 1004 | 05 0919 | 05 0919 | 07 0328 | 07 0328 |
| 08 1005 | 08 1005 | 05 1028 | 05 1028 | 07 0330 | 07 0330 |
| 08 1006 | 08 1006 | 05 1110 | 05 1110 | 07 0404 | 07 0404 |
| 08 1022 | 08 1022 | 05 1116 | 05 1116 | 07 0405 | 07 0405 |
| 08 1104 | 08 1104 | 05 1117 | 05 1117 | 07 0408 | 07 0408 |
| 08 1124 | 08 1124 | 05 1119 | 05 1119 | 07 0410 | 07 0410 |
| 08 1128 | 08 1128 | 05 1122 | 05 1122 | 07 0413 | 07 0413 |
| 08 1212 | 08 1212 | 05 1129 | 05 1129 | 07 0423 | 07 0423 |
| 0.00 | 0.000 | 05 1130 | 05 1130 | 07 0425 | 07 0425 |

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| 07 0426 | 07 0426 | 05 0913 | 05 0913 | 08 0424 | 08 0424 |
| 07 0427 | 07 0427 | 05 1111 | 05 1111 | 08 0426 | 08 0426 |
| 07 0501 | 07 0501 | 05 1118 | 05 1118 | 08 0505 | 08 0505 |
| 07 0503 | 07 0503 | 05 1120 | 05 1120 | 08 0517 | 08 0517 |
| 07 0507 | 07 0507 | 05 1121 | 05 1121 | 08 0601 | 08 0601 |
| 07 0511 | 07 0511 | 05 1124 | 05 1124 | 08 0612 | 08 0612 |
| 07 0707 | 07 0707 | 05 1125 | 05 1125 | 08 0712 | 08 0712 |
| 07 1003 | 07 1003 | 05 1216 | 05 1216 | 08 0719 | 08 0719 |
| 07 1016 | 07 1016 | 05 1231 | 05 1231 | 08 0720 | 08 0720 |
| 08 0202 | 08 0202 | 06 0101 | 06 0101 | 08 0830 | 08 0830 |
| 08 0318 | 08 0318 | 06 0129 | 06 0129 | 08 1002 | 08 1002 |
| 08 0405 | 08 0405 | 06 0205 | 06 0205 | 08 1027 | 08 1027 |
| 08 0407 | 08 0407 | 06 0211 | 06 0211 | 08 1123 | 08 1123 |
| 08 0410 | 08 0410 | 06 0219 | 06 0219 | 08 1207 | 08 1207 |
| 08 0422 | 08 0422 | 06 0227 | 06 0227 | 08 1228 | 08 1228 |
| 08 0525 | 08 0525 | 06 0308 | 06 0308 | 08 1229 | 08 1229 |
| 08 0717 | 08 0717 | 06 0311 | 06 0311 | 0.00 | 0.000 |
| 08 0924 | 08 0924 | 06 0315 | 06 0315 | 2000.00 | 0.000 |
| 08 1024 | 08 1024 | 06 0317 | 06 0317 | 4000.00 | 68.043 |
| 08 1112 | 08 1112 | 06 0408 | 06 0408 | 5480.00 | 104.343 |
| 08 1125 | 08 1125 | 06 0603 | 06 0603 | 7500.00 | 124.953 |
| 08 1218 | 08 1218 | 06 0606 | 06 0606 | 10000.00 | 141.406 |
| 08 1220 | 08 1220 | 06 0628 | 06 0628 | 14000.00 | 148.987 |
| 0.00 | 0.000 | 06 0714 | 06 0714 | 17500.00 | 158.315 |
| 2000.00 | 0.000 | 06 0812 | 06 0812 | 25000.00 | 141.453 |
| 4000.00 | 66.053 | 06 0901 | 06 0901 | 45000.00 | 135.724 |
| 5480.00 | 101.292 | 06 1011 | 06 1011 | 75000.00 | 125.818 |
| 7500.00 | 121.299 | 06 1016 | 06 1016 | 117000.00 | 69.411 |
| 10000.00 | 137.270 | 06 1022 | 06 1022 | 150000.00 | 60.099 |
| 14000.00 | 144.630 | 06 1126 | 06 1126 | 'CURVE07' | 116 13 0 0 |
| 17500.00 | 153.685 | 06 1209 | 06 1209 | 03 0112 | 03 0112 |
| 25000.00 | 137.316 | 06 1227 | 06 1227 | 03 0114 | 03 0114 |
| 45000.00 | 131.755 | 06 1228 | 06 1228 | 03 0115 | 03 0115 |
| 75000.00 | 122.138 | 07 0116 | 07 0116 | 03 0116 | 03 0116 |
| 117000.00 | 67.381 | 07 0206 | 07 0206 | 03 0117 | 03 0117 |
| 150000.00 | 58.341 | 07 0207 | 07 0207 | 03 0206 | 03 0206 |
| 'CURVE06' | 105 13 0 0 | 07 0208 | 07 0208 | 03 0207 | 03 0207 |
| 03 0123 | 03 0123 | 07 0219 | 07 0219 | 03 0214 | 03 0214 |
| 03 0209 | 03 0209 | 07 0224 | 07 0224 | 03 0304 | 03 0304 |
| 03 0213 | 03 0213 | 07 0301 | 07 0301 | 03 0305 | 03 0305 |
| 03 0218 | 03 0218 | 07 0305 | 07 0305 | 03 0313 | 03 0313 |
| 03 0324 | 03 0324 | 07 0306 | 07 0306 | 03 0319 | 03 0319 |
| 03 0413 | 03 0413 | 07 0307 | 07 0307 | 03 0328 | 03 0328 |
| 03 0727 | 03 0727 | 07 0308 | 07 0308 | 03 0330 | 03 0330 |
| 03 0730 | 03 0730 | 07 0309 | 07 0309 | 03 0411 | 03 0411 |
| 03 0919 | 03 0919 | 07 0323 | 07 0323 | 03 0415 | 03 0415 |
| 03 1014 | 03 1014 | 07 0324 | 07 0324 | 03 0417 | 03 0417 |
| 03 1020 | 03 1020 | 07 0325 | 07 0325 | 03 0425 | 03 0425 |
| 04 0217 | 04 0217 | 07 0327 | 07 0327 | 03 0427 | 03 0427 |
| 04 0415 | 04 0415 | 07 0406 | 07 0406 | 03 0515 | 03 0515 |
| 04 0829 | 04 0829 | 07 0415 | 07 0415 | 03 0516 | 03 0516 |
| 04 1025 | 04 1025 | 07 0417 | 07 0417 | 03 0522 | 03 0522 |
| 04 1104 | 04 1104 | 07 0606 | 07 0606 | 03 0703 | 03 0703 |
| 04 1118 | 04 1118 | 07 0623 | 07 0623 | 03 0729 | 03 0729 |
| 04 1215 | 04 1215 | 07 0903 | 07 0903 | 03 0826 | 03 0826 |
| 04 1226 | 04 1226 | 07 0904 | 07 0904 | 03 1005 | 03 1005 |
| 05 0403 | 05 0403 | 07 0917 | 07 0917 | 03 1028 | 03 1028 |
| 05 0704 | 05 0704 | 08 0211 | 08 0211 | 03 1130 | 03 1130 |
| 05 0719 | 05 0719 | 08 0316 | 08 0316 | 03 1203 | 03 1203 |
| 05 0721 | 05 0721 | 08 0321 | 08 0321 | 03 1208 | 03 1208 |
| 05 0724 | 05 0724 | 08 0323 | 08 0323 | 03 1212 | 03 1212 |
| 05 0726 | 05 0726 | 08 0411 | 08 0411 | 04 0129 | 04 0129 |
| 05 0808 | 05 0808 | 08 0413 | 08 0413 | 04 0210 | 04 0210 |

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| 04 0215 | 04 0215 | 07 0502 | 07 0502 | 04 0615 | 04 0615 |
| 04 0220 | 04 0220 | 07 0504 | 07 0504 | 04 0701 | 04 0701 |
| 04 0309 | 04 0309 | 07 0524 | 07 0524 | 04 0730 | 04 0730 |
| 04 0416 | 04 0416 | 07 0525 | 07 0525 | 04 0909 | 04 0909 |
| 04 0802 | 04 0802 | 07 0530 | 07 0530 | 04 0916 | 04 0916 |
| 04 0823 | 04 0823 | 07 0815 | 07 0815 | 04 0917 | 04 0917 |
| 04 0908 | 04 0908 | 07 0830 | 07 0830 | 04 0924 | 04 0924 |
| 04 0912 | 04 0912 | 07 0919 | 07 0919 | 04 1005 | 04 1005 |
| 04 0914 | 04 0914 | 07 1104 | 07 1104 | 04 1024 | 04 1024 |
| 04 1112 | 04 1112 | 08 0228 | 08 0228 | 04 1121 | 04 1121 |
| 04 1208 | 04 1208 | 08 0305 | 08 0305 | 04 1221 | 04 1221 |
| 04 1209 | 04 1209 | 08 0325 | 08 0325 | 05 0316 | 05 0316 |
| 04 1210 | 04 1210 | 08 0701 | 08 0701 | 05 0519 | 05 0519 |
| 05 0104 | 05 0104 | 08 0829 | 08 0829 | 05 0722 | 05 0722 |
| 05 0518 | 05 0518 | 08 0908 | 08 0908 | 05 0811 | 05 0811 |
| 05 0720 | 05 0720 | 08 1111 | 08 1111 | 05 0817 | 05 0817 |
| 05 0729 | 05 0729 | 08 1208 | 08 1208 | 05 0923 | 05 0923 |
| 05 0825 | 05 0825 | 08 1211 | 08 1211 | 05 1002 | 05 1002 |
| 05 0902 | 05 0902 | 08 1216 | 08 1216 | 05 1016 | 05 1016 |
| 05 0922 | 05 0922 | 08 1217 | 08 1217 | 05 1101 | 05 1101 |
| 05 0927 | 05 0927 | 0.00 0.000 | | 05 1113 | 05 1113 |
| 05 1027 | 05 1027 | 2000.00 0.000 | | 05 1207 | 05 1207 |
| 05 1210 | 05 1210 | 4000.00 63.993 | | 05 1215 | 05 1215 |
| 05 1229 | 05 1229 | 5480.00 98.133 | | 05 1222 | 05 1222 |
| 06 0114 | 06 0114 | 7500.00 117.516 | | 06 0107 | 06 0107 |
| 06 0121 | 06 0121 | 10000.00 132.989 | | 06 0201 | 06 0201 |
| 06 0131 | 06 0131 | 14000.00 140.119 | | 06 0202 | 06 0202 |
| 06 0204 | 06 0204 | 17500.00 148.892 | | 06 0223 | 06 0223 |
| 06 0206 | 06 0206 | 25000.00 133.034 | | 06 0303 | 06 0303 |
| 06 0224 | 06 0224 | 45000.00 127.646 | | 06 0318 | 06 0318 |
| 06 0228 | 06 0228 | 75000.00 118.329 | | 06 0321 | 06 0321 |
| 06 0301 | 06 0301 | 117000.00 65.280 | | 06 0324 | 06 0324 |
| 06 0302 | 06 0302 | 150000.00 56.521 | | 06 0327 | 06 0327 |
| 06 0310 | 06 0310 | 'CURVE08' 115 13 0 0 | | 06 0330 | 06 0330 |
| 06 0322 | 06 0322 | 03 0131 03 0131 | | 06 0406 | 06 0406 |
| 06 0405 | 06 0405 | 03 0221 03 0221 | | 06 0413 | 06 0413 |
| 06 0412 | 06 0412 | 03 0225 03 0225 | | 06 0423 | 06 0423 |
| 06 0414 | 06 0414 | 03 0226 03 0226 | | 06 0428 | 06 0428 |
| 06 0416 | 06 0416 | 03 0302 03 0302 | | 06 0505 | 06 0505 |
| 06 0426 | 06 0426 | 03 0529 03 0529 | | 06 0513 | 06 0513 |
| 06 0427 | 06 0427 | 03 0717 03 0717 | | 06 0531 | 06 0531 |
| 06 0511 | 06 0511 | 03 0718 03 0718 | | 06 0602 | 06 0602 |
| 06 0517 | 06 0517 | 03 0810 03 0810 | | 06 0626 | 06 0626 |
| 06 0518 | 06 0518 | 03 0820 03 0820 | | 06 0627 | 06 0627 |
| 06 0519 | 06 0519 | 03 0918 03 0918 | | 06 0729 | 06 0729 |
| 06 0605 | 06 0605 | 03 1116 03 1116 | | 06 0806 | 06 0806 |
| 06 0612 | 06 0612 | 03 1205 03 1205 | | 06 1009 | 06 1009 |
| 06 0622 | 06 0622 | 03 1214 03 1214 | | 06 1019 | 06 1019 |
| 06 1013 | 06 1013 | 04 0107 04 0107 | | 06 1024 | 06 1024 |
| 06 1101 | 06 1101 | 04 0121 04 0121 | | 06 1025 | 06 1025 |
| 06 1109 | 06 1109 | 04 0206 04 0206 | | 06 1027 | 06 1027 |
| 06 1119 | 06 1119 | 04 0208 04 0208 | | 06 1105 | 06 1105 |
| 06 1120 | 06 1120 | 04 0212 04 0212 | | 06 1110 | 06 1110 |
| 06 1216 | 06 1216 | 04 0222 04 0222 | | 06 1121 | 06 1121 |
| 06 1218 | 06 1218 | 04 0225 04 0225 | | 06 1202 | 06 1202 |
| 06 1230 | 06 1230 | 04 0302 04 0302 | | 06 1205 | 06 1205 |
| 07 0223 | 07 0223 | 04 0310 04 0310 | | 06 1213 | 06 1213 |
| 07 0226 | 07 0226 | 04 0409 04 0409 | | 06 1215 | 06 1215 |
| 07 0313 | 07 0313 | 04 0427 04 0427 | | 06 1219 | 06 1219 |
| 07 0329 | 07 0329 | 04 0526 04 0526 | | 06 1221 | 06 1221 |
| 07 0331 | 07 0331 | 04 0529 04 0529 | | 07 0316 | 07 0316 |
| 07 0411 | 07 0411 | 04 0531 04 0531 | | 07 0321 | 07 0321 |
| 07 0430 | 07 0430 | 04 0613 04 0613 | | 07 0407 | 07 0407 |

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| 07 0412 | 07 0412 | 04 0216 | 04 0216 | 07 1117 | 07 1117 |
| 07 0421 | 07 0421 | 04 0224 | 04 0224 | 08 0203 | 08 0203 |
| 07 0506 | 07 0506 | 04 0229 | 04 0229 | 08 0204 | 08 0204 |
| 07 0928 | 07 0928 | 04 0414 | 04 0414 | 08 0219 | 08 0219 |
| 07 1018 | 07 1018 | 04 0512 | 04 0512 | 08 0331 | 08 0331 |
| 08 0214 | 08 0214 | 04 0611 | 04 0611 | 08 0511 | 08 0511 |
| 08 0314 | 08 0314 | 04 0714 | 04 0714 | 08 0912 | 08 0912 |
| 08 0429 | 08 0429 | 04 0811 | 04 0811 | 08 1012 | 08 1012 |
| 08 0501 | 08 0501 | 04 0927 | 04 0927 | 08 1015 | 08 1015 |
| 08 0523 | 08 0523 | 04 0929 | 04 0929 | 08 1222 | 08 1222 |
| 08 0524 | 08 0524 | 04 1022 | 04 1022 | 0.00 | 0.000 |
| 08 0528 | 08 0528 | 04 1114 | 04 1114 | 2000.00 | 0.000 |
| 08 0625 | 08 0625 | 04 1214 | 04 1214 | 4000.00 | 61.588 |
| 08 0827 | 08 0827 | 04 1216 | 04 1216 | 5480.00 | 94.443 |
| 08 0828 | 08 0828 | 05 0207 | 05 0207 | 7500.00 | 113.098 |
| 08 0911 | 08 0911 | 05 0509 | 05 0509 | 10000.00 | 127.989 |
| 08 1013 | 08 1013 | 05 0513 | 05 0513 | 14000.00 | 134.852 |
| 08 1020 | 08 1020 | 05 0521 | 05 0521 | 17500.00 | 143.295 |
| 08 1102 | 08 1102 | 05 0703 | 05 0703 | 25000.00 | 128.032 |
| 08 1130 | 08 1130 | 05 0819 | 05 0819 | 45000.00 | 122.847 |
| 08 1204 | 08 1204 | 05 0824 | 05 0824 | 75000.00 | 113.880 |
| 08 1214 | 08 1214 | 05 1127 | 05 1127 | 117000.00 | 62.826 |
| 08 1221 | 08 1221 | 05 1128 | 05 1128 | 150000.00 | 54.397 |
| 0.00 | 0.000 | 05 1225 | 05 1225 | 'CURVE10' | 121 13 0 0 |
| 2000.00 | 0.000 | 06 0104 | 06 0104 | 03 0124 | 03 0124 |
| 4000.00 | 62.825 | 06 0111 | 06 0111 | 03 0130 | 03 0130 |
| 5480.00 | 96.341 | 06 0117 | 06 0117 | 03 0204 | 03 0204 |
| 7500.00 | 115.370 | 06 0203 | 06 0203 | 03 0220 | 03 0220 |
| 10000.00 | 130.561 | 06 0216 | 06 0216 | 03 0309 | 03 0309 |
| 14000.00 | 137.561 | 06 0312 | 06 0312 | 03 0429 | 03 0429 |
| 17500.00 | 146.173 | 06 0404 | 06 0404 | 03 0508 | 03 0508 |
| 25000.00 | 130.604 | 06 0407 | 06 0407 | 03 0521 | 03 0521 |
| 45000.00 | 125.315 | 06 0411 | 06 0411 | 03 0610 | 03 0610 |
| 75000.00 | 116.168 | 06 0524 | 06 0524 | 03 0619 | 03 0619 |
| 117000.00 | 64.088 | 06 0601 | 06 0601 | 03 0925 | 03 0925 |
| 150000.00 | 55.489 | 06 0613 | 06 0613 | 03 1003 | 03 1003 |
| 'CURVE09' | 099 13 0 0 | 06 0614 | 06 0614 | 03 1025 | 03 1025 |
| 03 0205 | 03 0205 | 06 0618 | 06 0618 | 03 1026 | 03 1026 |
| 03 0227 | 03 0227 | 06 0704 | 06 0704 | 03 1029 | 03 1029 |
| 03 0306 | 03 0306 | 06 0708 | 06 0708 | 03 1031 | 03 1031 |
| 03 0307 | 03 0307 | 06 0805 | 06 0805 | 03 1122 | 03 1122 |
| 03 0316 | 03 0316 | 06 0902 | 06 0902 | 03 1123 | 03 1123 |
| 03 0410 | 03 0410 | 06 1020 | 06 1020 | 03 1125 | 03 1125 |
| 03 0418 | 03 0418 | 06 1023 | 06 1023 | 03 1221 | 03 1221 |
| 03 0530 | 03 0530 | 06 1026 | 06 1026 | 04 0116 | 04 0116 |
| 03 0604 | 03 0604 | 06 1104 | 06 1104 | 04 0120 | 04 0120 |
| 03 0611 | 03 0611 | 06 1115 | 06 1115 | 04 0127 | 04 0127 |
| 03 0617 | 03 0617 | 06 1122 | 06 1122 | 04 0203 | 04 0203 |
| 03 0706 | 03 0706 | 06 1204 | 06 1204 | 04 0303 | 04 0303 |
| 03 0720 | 03 0720 | 06 1220 | 06 1220 | 04 0307 | 04 0307 |
| 03 0724 | 03 0724 | 06 1226 | 06 1226 | 04 0311 | 04 0311 |
| 03 0731 | 03 0731 | 07 0129 | 07 0129 | 04 0322 | 04 0322 |
| 03 0813 | 03 0813 | 07 0303 | 07 0303 | 04 0325 | 04 0325 |
| 03 0911 | 03 0911 | 07 0314 | 07 0314 | 04 0428 | 04 0428 |
| 03 1010 | 03 1010 | 07 0319 | 07 0319 | 04 0519 | 04 0519 |
| 03 1023 | 03 1023 | 07 0322 | 07 0322 | 04 0610 | 04 0610 |
| 03 1109 | 03 1109 | 07 0428 | 07 0428 | 04 0721 | 04 0721 |
| 04 0106 | 04 0106 | 07 0520 | 07 0520 | 04 0825 | 04 0825 |
| 04 0123 | 04 0123 | 07 0521 | 07 0521 | 04 0826 | 04 0826 |
| 04 0204 | 04 0204 | 07 0522 | 07 0522 | 04 0915 | 04 0915 |
| 04 0205 | 04 0205 | 07 0602 | 07 0602 | 04 1223 | 04 1223 |
| 04 0211 | 04 0211 | 07 0611 | 07 0611 | 04 1227 | 04 1227 |
| 04 0213 | 04 0213 | 07 1014 | 07 1014 | 05 0301 | 05 0301 |

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| 05 0309 | 05 0309 | 07 0930 | 07 0930 | 04 0122 | 04 0122 |
| 05 0415 | 05 0415 | 07 1103 | 07 1103 | 04 0126 | 04 0126 |
| 05 0517 | 05 0517 | 07 1107 | 07 1107 | 04 0128 | 04 0128 |
| 05 0526 | 05 0526 | 07 1111 | 07 1111 | 04 0316 | 04 0316 |
| 05 0705 | 05 0705 | 07 1114 | 07 1114 | 04 0317 | 04 0317 |
| 05 0713 | 05 0713 | 08 0227 | 08 0227 | 04 0324 | 04 0324 |
| 05 1005 | 05 1005 | 08 0328 | 08 0328 | 04 0423 | 04 0423 |
| 05 1102 | 05 1102 | 08 0412 | 08 0412 | 04 0504 | 04 0504 |
| 05 1103 | 05 1103 | 08 0425 | 08 0425 | 04 0505 | 04 0505 |
| 05 1107 | 05 1107 | 08 0512 | 08 0512 | 04 0511 | 04 0511 |
| 05 1108 | 05 1108 | 08 0520 | 08 0520 | 04 0514 | 04 0514 |
| 05 1109 | 05 1109 | 08 0526 | 08 0526 | 04 0518 | 04 0518 |
| 05 1115 | 05 1115 | 08 0626 | 08 0626 | 04 0606 | 04 0606 |
| 05 1126 | 05 1126 | 08 0913 | 08 0913 | 04 0608 | 04 0608 |
| 05 1219 | 05 1219 | 08 1014 | 08 1014 | 04 0617 | 04 0617 |
| 05 1226 | 05 1226 | 08 1101 | 08 1101 | 04 0709 | 04 0709 |
| 05 1228 | 05 1228 | 08 1108 | 08 1108 | 04 0901 | 04 0901 |
| 06 0109 | 06 0109 | 08 1118 | 08 1118 | 04 0903 | 04 0903 |
| 06 0110 | 06 0110 | 08 1201 | 08 1201 | 04 0906 | 04 0906 |
| 06 0116 | 06 0116 | 0.00 | 0.000 | 04 0930 | 04 0930 |
| 06 0128 | 06 0128 | 2000.00 | 0.000 | 04 1013 | 04 1013 |
| 06 0130 | 06 0130 | 4000.00 | 60.803 | 04 1027 | 04 1027 |
| 06 0215 | 06 0215 | 5480.00 | 93.241 | 04 1105 | 04 1105 |
| 06 0329 | 06 0329 | 7500.00 | 111.658 | 04 1116 | 04 1116 |
| 06 0402 | 06 0402 | 10000.00 | 126.360 | 04 1123 | 04 1123 |
| 06 0418 | 06 0418 | 14000.00 | 133.134 | 04 1222 | 04 1222 |
| 06 0430 | 06 0430 | 17500.00 | 141.470 | 05 0109 | 05 0109 |
| 06 0503 | 06 0503 | 25000.00 | 126.402 | 05 0506 | 05 0506 |
| 06 0504 | 06 0504 | 45000.00 | 121.283 | 05 0511 | 05 0511 |
| 06 0507 | 06 0507 | 75000.00 | 112.430 | 05 0606 | 05 0606 |
| 06 0522 | 06 0522 | 117000.00 | 62.026 | 05 0707 | 05 0707 |
| 06 0621 | 06 0621 | 150000.00 | 53.704 | 05 0814 | 05 0814 |
| 06 0623 | 06 0623 | 'CURVE11' | 136 13 0 0 | 05 1014 | 05 1014 |
| 06 0624 | 06 0624 | 03 0320 | 03 0320 | 05 1020 | 05 1020 |
| 06 0705 | 06 0705 | 03 0321 | 03 0321 | 05 1021 | 05 1021 |
| 06 0706 | 06 0706 | 03 0323 | 03 0323 | 05 1104 | 05 1104 |
| 06 0707 | 06 0707 | 03 0326 | 03 0326 | 05 1123 | 05 1123 |
| 06 0731 | 06 0731 | 03 0401 | 03 0401 | 05 1208 | 05 1208 |
| 06 0803 | 06 0803 | 03 0420 | 03 0420 | 05 1211 | 05 1211 |
| 06 0824 | 06 0824 | 03 0430 | 03 0430 | 05 1213 | 05 1213 |
| 06 0927 | 06 0927 | 03 0501 | 03 0501 | 06 0106 | 06 0106 |
| 06 1012 | 06 1012 | 03 0502 | 03 0502 | 06 0214 | 06 0214 |
| 06 1102 | 06 1102 | 03 0506 | 03 0506 | 06 0306 | 06 0306 |
| 06 1103 | 06 1103 | 03 0507 | 03 0507 | 06 0328 | 06 0328 |
| 06 1118 | 06 1118 | 03 0509 | 03 0509 | 06 0425 | 06 0425 |
| 06 1128 | 06 1128 | 03 0528 | 03 0528 | 06 0525 | 06 0525 |
| 06 1129 | 06 1129 | 03 0612 | 03 0612 | 06 0527 | 06 0527 |
| 06 1130 | 06 1130 | 03 0613 | 03 0613 | 06 0608 | 06 0608 |
| 06 1214 | 06 1214 | 03 0620 | 03 0620 | 06 0615 | 06 0615 |
| 07 0113 | 07 0113 | 03 0624 | 03 0624 | 06 0617 | 06 0617 |
| 07 0124 | 07 0124 | 03 0710 | 03 0710 | 06 0620 | 06 0620 |
| 07 0202 | 07 0202 | 03 0805 | 03 0805 | 06 0625 | 06 0625 |
| 07 0204 | 07 0204 | 03 0807 | 03 0807 | 06 0710 | 06 0710 |
| 07 0209 | 07 0209 | 03 0812 | 03 0812 | 06 0711 | 06 0711 |
| 07 0216 | 07 0216 | 03 0830 | 03 0830 | 06 0722 | 06 0722 |
| 07 0304 | 07 0304 | 03 0909 | 03 0909 | 06 0726 | 06 0726 |
| 07 0403 | 07 0403 | 03 1008 | 03 1008 | 06 0807 | 06 0807 |
| 07 0509 | 07 0509 | 03 1103 | 03 1103 | 06 0808 | 06 0808 |
| 07 0510 | 07 0510 | 03 1119 | 03 1119 | 06 0817 | 06 0817 |
| 07 0519 | 07 0519 | 03 1128 | 03 1128 | 06 0822 | 06 0822 |
| 07 0523 | 07 0523 | 03 1129 | 03 1129 | 06 0903 | 06 0903 |
| 07 0601 | 07 0601 | 04 0112 | 04 0112 | 06 1006 | 06 1006 |
| 07 0614 | 07 0614 | 04 0115 | 04 0115 | 06 1008 | 06 1008 |

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| 06 1017 | 06 1017 | 03 0523 | 03 0523 | 06 0804 | 06 0804 |
| 06 1108 | 06 1108 | 03 0525 | 03 0525 | 06 0908 | 06 0908 |
| 06 1111 | 06 1111 | 03 0605 | 03 0605 | 06 0918 | 06 0918 |
| 06 1112 | 06 1112 | 03 0618 | 03 0618 | 06 0920 | 06 0920 |
| 06 1125 | 06 1125 | 03 0708 | 03 0708 | 06 0923 | 06 0923 |
| 06 1201 | 06 1201 | 03 0808 | 03 0808 | 06 1217 | 06 1217 |
| 06 1206 | 06 1206 | 03 0904 | 03 0904 | 07 0128 | 07 0128 |
| 06 1208 | 06 1208 | 03 1002 | 03 1002 | 07 0218 | 07 0218 |
| 06 1212 | 06 1212 | 03 1007 | 03 1007 | 07 0529 | 07 0529 |
| 06 1231 | 06 1231 | 03 1019 | 03 1019 | 07 0610 | 07 0610 |
| 07 0121 | 07 0121 | 03 1021 | 03 1021 | 07 0618 | 07 0618 |
| 07 0125 | 07 0125 | 03 1024 | 03 1024 | 07 0805 | 07 0805 |
| 07 0127 | 07 0127 | 03 1102 | 03 1102 | 07 0829 | 07 0829 |
| 07 0130 | 07 0130 | 03 1113 | 03 1113 | 07 0908 | 07 0908 |
| 07 0131 | 07 0131 | 04 0108 | 04 0108 | 07 1022 | 07 1022 |
| 07 0201 | 07 0201 | 04 0318 | 04 0318 | 07 1215 | 07 1215 |
| 07 0227 | 07 0227 | 04 0326 | 04 0326 | 08 0210 | 08 0210 |
| 07 0416 | 07 0416 | 04 0413 | 04 0413 | 08 0213 | 08 0213 |
| 07 0424 | 07 0424 | 04 0421 | 04 0421 | 08 0229 | 08 0229 |
| 07 0505 | 07 0505 | 04 0425 | 04 0425 | 08 0327 | 08 0327 |
| 07 0508 | 07 0508 | 04 0429 | 04 0429 | 08 0428 | 08 0428 |
| 07 0515 | 07 0515 | 04 0430 | 04 0430 | 08 0515 | 08 0515 |
| 07 0518 | 07 0518 | 04 0502 | 04 0502 | 08 0603 | 08 0603 |
| 07 0531 | 07 0531 | 04 0506 | 04 0506 | 08 0611 | 08 0611 |
| 07 0616 | 07 0616 | 04 0507 | 04 0507 | 08 0731 | 08 0731 |
| 07 0624 | 07 0624 | 04 0527 | 04 0527 | 08 0825 | 08 0825 |
| 07 0820 | 07 0820 | 04 0609 | 04 0609 | 08 0922 | 08 0922 |
| 07 0824 | 07 0824 | 04 0816 | 04 0816 | 08 1001 | 08 1001 |
| 07 0920 | 07 0920 | 04 0824 | 04 0824 | 08 1021 | 08 1021 |
| 07 0922 | 07 0922 | 04 1031 | 04 1031 | 08 1023 | 08 1023 |
| 07 0926 | 07 0926 | 04 1102 | 04 1102 | 08 1103 | 08 1103 |
| 08 0208 | 08 0208 | 04 1126 | 04 1126 | 08 1107 | 08 1107 |
| 08 0220 | 08 0220 | 04 1212 | 04 1212 | 08 1126 | 08 1126 |
| 08 0226 | 08 0226 | 04 1217 | 04 1217 | 08 1205 | 08 1205 |
| 08 0307 | 08 0307 | 04 1219 | 04 1219 | 08 1210 | 08 1210 |
| 08 0322 | 08 0322 | 05 0102 | 05 0102 | 0.00 | 0.000 |
| 08 0504 | 08 0504 | 05 0214 | 05 0214 | 2000.00 | 0.000 |
| 08 0618 | 08 0618 | 05 0228 | 05 0228 | 4000.00 | 57.667 |
| 08 0624 | 08 0624 | 05 0307 | 05 0307 | 5480.00 | 88.432 |
| 08 0801 | 08 0801 | 05 0505 | 05 0505 | 7500.00 | 105.898 |
| 08 0907 | 08 0907 | 05 0618 | 05 0618 | 10000.00 | 119.842 |
| 08 1109 | 08 1109 | 05 0630 | 05 0630 | 14000.00 | 126.267 |
| 08 1206 | 08 1206 | 05 0708 | 05 0708 | 17500.00 | 134.173 |
| 0.00 | 0.000 | 05 0715 | 05 0715 | 25000.00 | 119.882 |
| 2000.00 | 0.000 | 05 0717 | 05 0717 | 45000.00 | 115.027 |
| 4000.00 | 58.951 | 05 0914 | 05 0914 | 75000.00 | 106.631 |
| 5480.00 | 90.401 | 05 0915 | 05 0915 | 117000.00 | 58.826 |
| 7500.00 | 108.257 | 05 0921 | 05 0921 | 150000.00 | 50.934 |
| 10000.00 | 122.511 | 05 1009 | 05 1009 | 'CURVE13' | 097 13 0 0 |
| 14000.00 | 129.080 | 05 1018 | 05 1018 | 03 0109 | 03 0109 |
| 17500.00 | 137.161 | 05 1212 | 05 1212 | 03 0416 | 03 0416 |
| 25000.00 | 122.552 | 06 0103 | 06 0103 | 03 0511 | 03 0511 |
| 45000.00 | 117.589 | 06 0217 | 06 0217 | 03 0526 | 03 0526 |
| 75000.00 | 109.006 | 06 0502 | 06 0502 | 03 0606 | 03 0606 |
| 117000.00 | 60.136 | 06 0526 | 06 0526 | 03 0806 | 03 0806 |
| 150000.00 | 52.068 | 06 0528 | 06 0528 | 03 1001 | 03 1001 |
| 'CURVE12' | 104 13 0 0 | 06 0611 | 06 0611 | 03 1112 | 03 1112 |
| 03 0110 | 03 0110 | 06 0703 | 06 0703 | 03 1126 | 03 1126 |
| 03 0119 | 03 0119 | 06 0715 | 06 0715 | 03 1127 | 03 1127 |
| 03 0129 | 03 0129 | 06 0725 | 06 0725 | 03 1210 | 03 1210 |
| 03 0202 | 03 0202 | 06 0727 | 06 0727 | 03 1218 | 03 1218 |
| 03 0228 | 03 0228 | 06 0728 | 06 0728 | 04 0114 | 04 0114 |
| 03 0325 | 03 0325 | 06 0730 | 06 0730 | 04 0125 | 04 0125 |

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|---------|---------|----------------------|---------|---------|---------|
| 04 0219 | 04 0219 | 08 0127 | 08 0127 | 05 0327 | 05 0327 |
| 04 0321 | 04 0321 | 08 0131 | 08 0131 | 05 0412 | 05 0412 |
| 04 0331 | 04 0331 | 08 0205 | 08 0205 | 05 0510 | 05 0510 |
| 04 0418 | 04 0418 | 08 0209 | 08 0209 | 05 0512 | 05 0512 |
| 04 0420 | 04 0420 | 08 0215 | 08 0215 | 05 0528 | 05 0528 |
| 04 0422 | 04 0422 | 08 0308 | 08 0308 | 05 0608 | 05 0608 |
| 04 0516 | 04 0516 | 08 0408 | 08 0408 | 05 0622 | 05 0622 |
| 04 0616 | 04 0616 | 08 0409 | 08 0409 | 05 0702 | 05 0702 |
| 04 0704 | 04 0704 | 08 0507 | 08 0507 | 05 0710 | 05 0710 |
| 04 0710 | 04 0710 | 08 0516 | 08 0516 | 05 0731 | 05 0731 |
| 04 0724 | 04 0724 | 08 0531 | 08 0531 | 05 0901 | 05 0901 |
| 04 0810 | 04 0810 | 08 0613 | 08 0613 | 05 0908 | 05 0908 |
| 04 0910 | 04 0910 | 08 0615 | 08 0615 | 05 1012 | 05 1012 |
| 04 1006 | 04 1006 | 08 0623 | 08 0623 | 05 1019 | 05 1019 |
| 04 1008 | 04 1008 | 08 0729 | 08 0729 | 05 1114 | 05 1114 |
| 04 1009 | 04 1009 | 08 0909 | 08 0909 | 05 1223 | 05 1223 |
| 04 1103 | 04 1103 | 08 0914 | 08 0914 | 06 0313 | 06 0313 |
| 04 1207 | 04 1207 | 08 0927 | 08 0927 | 06 0421 | 06 0421 |
| 04 1230 | 04 1230 | 08 1116 | 08 1116 | 06 0508 | 06 0508 |
| 05 0101 | 05 0101 | 08 1121 | 08 1121 | 06 0709 | 06 0709 |
| 05 0107 | 05 0107 | 0.00 0.000 | | 06 0801 | 06 0801 |
| 05 0328 | 05 0328 | 2000.00 0.000 | | 06 0815 | 06 0815 |
| 05 0424 | 05 0424 | 4000.00 56.272 | | 06 0827 | 06 0827 |
| 05 0504 | 05 0504 | 5480.00 86.293 | | 06 0913 | 06 0913 |
| 05 0508 | 05 0508 | 7500.00 103.337 | | 06 0919 | 06 0919 |
| 05 0619 | 05 0619 | 10000.00 116.944 | | 06 0925 | 06 0925 |
| 05 0621 | 05 0621 | 14000.00 123.214 | | 06 0926 | 06 0926 |
| 05 0625 | 05 0625 | 17500.00 130.928 | | 06 1018 | 06 1018 |
| 05 0629 | 05 0629 | 25000.00 116.983 | | 06 1106 | 06 1106 |
| 05 0701 | 05 0701 | 45000.00 112.245 | | 06 1210 | 06 1210 |
| 05 0709 | 05 0709 | 75000.00 104.052 | | 07 0107 | 07 0107 |
| 05 0712 | 05 0712 | 117000.00 57.404 | | 07 0203 | 07 0203 |
| 05 0828 | 05 0828 | 150000.00 49.702 | | 07 0420 | 07 0420 |
| 05 0909 | 05 0909 | 'CURVE14' 101 13 0 0 | | 07 0615 | 07 0615 |
| 05 0930 | 05 0930 | 03 0217 | 03 0217 | 07 0622 | 07 0622 |
| 06 0102 | 06 0102 | 03 0311 | 03 0311 | 07 0626 | 07 0626 |
| 06 0105 | 06 0105 | 03 0518 | 03 0518 | 07 0705 | 07 0705 |
| 06 0108 | 06 0108 | 03 0608 | 03 0608 | 07 0725 | 07 0725 |
| 06 0120 | 06 0120 | 03 0615 | 03 0615 | 07 0821 | 07 0821 |
| 06 0521 | 06 0521 | 03 0803 | 03 0803 | 07 0826 | 07 0826 |
| 06 0616 | 06 0616 | 03 0903 | 03 0903 | 07 0925 | 07 0925 |
| 06 0619 | 06 0619 | 03 0924 | 03 0924 | 07 1110 | 07 1110 |
| 06 0814 | 06 0814 | 03 0928 | 03 0928 | 07 1130 | 07 1130 |
| 06 0816 | 06 0816 | 03 1105 | 03 1105 | 08 0120 | 08 0120 |
| 06 0821 | 06 0821 | 03 1223 | 03 1223 | 08 0212 | 08 0212 |
| 06 0825 | 06 0825 | 03 1224 | 03 1224 | 08 0217 | 08 0217 |
| 06 0830 | 06 0830 | 04 0113 | 04 0113 | 08 0224 | 08 0224 |
| 06 0911 | 06 0911 | 04 0312 | 04 0312 | 08 0225 | 08 0225 |
| 06 1015 | 06 1015 | 04 0411 | 04 0411 | 08 0301 | 08 0301 |
| 06 1107 | 06 1107 | 04 0509 | 04 0509 | 08 0311 | 08 0311 |
| 06 1124 | 06 1124 | 04 0521 | 04 0521 | 08 0313 | 08 0313 |
| 06 1224 | 06 1224 | 04 0523 | 04 0523 | 08 0315 | 08 0315 |
| 07 0126 | 07 0126 | 04 0525 | 04 0525 | 08 0317 | 08 0317 |
| 07 0516 | 07 0516 | 04 0604 | 04 0604 | 08 0326 | 08 0326 |
| 07 0517 | 07 0517 | 04 0722 | 04 0722 | 08 0415 | 08 0415 |
| 07 0605 | 07 0605 | 04 0729 | 04 0729 | 08 0416 | 08 0416 |
| 07 0619 | 07 0619 | 04 0805 | 04 0805 | 08 0423 | 08 0423 |
| 07 0818 | 07 0818 | 04 0808 | 04 0808 | 08 0427 | 08 0427 |
| 07 0819 | 07 0819 | 04 0817 | 04 0817 | 08 0509 | 08 0509 |
| 07 0910 | 07 0910 | 04 1011 | 04 1011 | 08 0514 | 08 0514 |
| 07 1112 | 07 1112 | 05 0315 | 05 0315 | 08 0616 | 08 0616 |
| 07 1208 | 07 1208 | 05 0320 | 05 0320 | 08 0617 | 08 0617 |
| 08 0109 | 08 0109 | 05 0322 | 05 0322 | 08 0627 | 08 0627 |

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| 08 0730 | 08 0730 | 05 0929 | 05 0929 | 08 1227 | 08 1227 |
| 08 0824 | 08 0824 | 05 1006 | 05 1006 | 0.00 | 0.000 |
| 08 0916 | 08 0916 | 05 1013 | 05 1013 | 2000.00 | 0.000 |
| 08 0917 | 08 0917 | 05 1025 | 05 1025 | 4000.00 | 52.618 |
| 08 0919 | 08 0919 | 05 1218 | 05 1218 | 5480.00 | 80.689 |
| 08 0928 | 08 0928 | 06 0424 | 06 0424 | 7500.00 | 96.626 |
| 08 1028 | 08 1028 | 06 0501 | 06 0501 | 10000.00 | 109.349 |
| 08 1029 | 08 1029 | 06 0510 | 06 0510 | 14000.00 | 115.212 |
| 08 1219 | 08 1219 | 06 0529 | 06 0529 | 17500.00 | 122.425 |
| 0.00 | 0.000 | 06 0712 | 06 0712 | 25000.00 | 109.385 |
| 2000.00 | 0.000 | 06 0723 | 06 0723 | 45000.00 | 104.955 |
| 4000.00 | 54.700 | 06 0802 | 06 0802 | 75000.00 | 97.295 |
| 5480.00 | 83.881 | 06 0818 | 06 0818 | 117000.00 | 53.675 |
| 7500.00 | 100.449 | 06 0831 | 06 0831 | 150000.00 | 46.474 |
| 10000.00 | 113.676 | 06 0906 | 06 0906 | 'CURVE16' | 120 13 0 0 |
| 14000.00 | 119.770 | 06 0917 | 06 0917 | 03 0104 | 03 0104 |
| 17500.00 | 127.269 | 06 1001 | 06 1001 | 03 0216 | 03 0216 |
| 25000.00 | 113.714 | 06 1116 | 06 1116 | 03 0219 | 03 0219 |
| 45000.00 | 109.108 | 07 0109 | 07 0109 | 03 0402 | 03 0402 |
| 75000.00 | 101.144 | 07 0318 | 07 0318 | 03 0403 | 03 0403 |
| 117000.00 | 55.799 | 07 0318 | 07 0318 | 03 0403 | 03 0403 |
| 150000.00 | 48.313 | 07 0422 | 07 0422 | 03 0404 | 03 0404 |
| 'CURVE15' | 104 13 0 0 | 07 0422 | 07 0422 | 03 0404 | 03 0404 |
| 03 0103 | 03 0103 | 07 0604 | 07 0604 | 03 0408 | 03 0408 |
| 03 0223 | 03 0223 | 07 0613 | 07 0613 | 03 0408 | 03 0408 |
| 03 0705 | 03 0705 | 07 0613 | 07 0613 | 03 0409 | 03 0409 |
| 03 0711 | 03 0711 | 07 0701 | 07 0701 | 03 0409 | 03 0409 |
| 03 0801 | 03 0801 | 07 0702 | 07 0702 | 03 0514 | 03 0514 |
| 03 0902 | 03 0902 | 07 0827 | 07 0827 | 03 0520 | 03 0520 |
| 03 0905 | 03 0905 | 07 0827 | 07 0827 | 03 0625 | 03 0625 |
| 03 0913 | 03 0913 | 07 0911 | 07 0911 | 03 0716 | 03 0716 |
| 03 1009 | 03 1009 | 07 0929 | 07 0929 | 03 0722 | 03 0722 |
| 03 1017 | 03 1017 | 07 1017 | 07 1017 | 03 0822 | 03 0822 |
| 03 1110 | 03 1110 | 07 1023 | 07 1023 | 03 0827 | 03 0827 |
| 03 1121 | 03 1121 | 07 1121 | 07 1121 | 03 0828 | 03 0828 |
| 03 1124 | 03 1124 | 07 1222 | 07 1222 | 03 0829 | 03 0829 |
| 03 1211 | 03 1211 | 07 1226 | 07 1226 | 03 1013 | 03 1013 |
| 04 0130 | 04 0130 | 08 0106 | 08 0106 | 03 1027 | 03 1027 |
| 04 0513 | 04 0513 | 08 0108 | 08 0108 | 03 1227 | 03 1227 |
| 04 0622 | 04 0622 | 08 0113 | 08 0113 | 03 1230 | 03 1230 |
| 04 0627 | 04 0627 | 08 0206 | 08 0206 | 04 0314 | 04 0314 |
| 04 0719 | 04 0719 | 08 0221 | 08 0221 | 04 0528 | 04 0528 |
| 04 0813 | 04 0813 | 08 0310 | 08 0310 | 04 0628 | 04 0628 |
| 04 0822 | 04 0822 | 08 0329 | 08 0329 | 04 0705 | 04 0705 |
| 04 1001 | 04 1001 | 08 0401 | 08 0401 | 04 0720 | 04 0720 |
| 04 1007 | 04 1007 | 08 0403 | 08 0403 | 04 0731 | 04 0731 |
| 04 1028 | 04 1028 | 08 0419 | 08 0419 | 04 0804 | 04 0804 |
| 04 1111 | 04 1111 | 08 0506 | 08 0506 | 04 0827 | 04 0827 |
| 04 1124 | 04 1124 | 08 0529 | 08 0529 | 04 0828 | 04 0828 |
| 04 1229 | 04 1229 | 08 0716 | 08 0716 | 04 1010 | 04 1010 |
| 05 0213 | 05 0213 | 08 0802 | 08 0802 | 04 1029 | 04 1029 |
| 05 0220 | 05 0220 | 08 0804 | 08 0804 | 04 1117 | 04 1117 |
| 05 0303 | 05 0303 | 08 0805 | 08 0805 | 04 1130 | 04 1130 |
| 05 0306 | 05 0306 | 08 0806 | 08 0806 | 04 1202 | 04 1202 |
| 05 0314 | 05 0314 | 08 0807 | 08 0807 | 04 1203 | 04 1203 |
| 05 0317 | 05 0317 | 08 0812 | 08 0812 | 05 0114 | 05 0114 |
| 05 0501 | 05 0501 | 08 0817 | 08 0817 | 05 0131 | 05 0131 |
| 05 0507 | 05 0507 | 08 0818 | 08 0818 | 05 0217 | 05 0217 |
| 05 0601 | 05 0601 | 08 0819 | 08 0819 | 05 0224 | 05 0224 |
| 05 0602 | 05 0602 | 08 0820 | 08 0820 | 05 0304 | 05 0304 |
| 05 0603 | 05 0603 | 08 0823 | 08 0823 | 05 0310 | 05 0310 |
| 05 0723 | 05 0723 | 08 0910 | 08 0910 | 05 0313 | 05 0313 |
| 05 0727 | 05 0727 | 08 0915 | 08 0915 | 05 0318 | 05 0318 |
| | | 08 0929 | 08 0929 | 05 0401 | 05 0401 |
| | | 08 1016 | 08 1016 | 05 0404 | 05 0404 |
| | | 08 1202 | 08 1202 | 05 0411 | 05 0411 |
| | | 08 1213 | 08 1213 | 05 0419 | 05 0419 |

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| 05 0426 | 05 0426 | 08 0808 | 08 0808 | 05 0612 | 05 0612 |
| 05 0428 | 05 0428 | 08 0809 | 08 0809 | 05 0924 | 05 0924 |
| 05 0514 | 05 0514 | 08 0810 | 08 0810 | 05 1007 | 05 1007 |
| 05 0524 | 05 0524 | 08 0821 | 08 0821 | 05 1106 | 05 1106 |
| 05 0529 | 05 0529 | 08 0822 | 08 0822 | 06 0417 | 06 0417 |
| 05 0610 | 05 0610 | 08 0921 | 08 0921 | 06 0701 | 06 0701 |
| 05 0611 | 05 0611 | 08 1010 | 08 1010 | 06 0809 | 06 0809 |
| 05 0624 | 05 0624 | 08 1025 | 08 1025 | 06 0820 | 06 0820 |
| 05 0627 | 05 0627 | 08 1129 | 08 1129 | 06 0909 | 06 0909 |
| 05 0628 | 05 0628 | 0.00 | 0.000 | 06 0922 | 06 0922 |
| 05 0718 | 05 0718 | 2000.00 | 0.000 | 06 0928 | 06 0928 |
| 05 0730 | 05 0730 | 4000.00 | 51.061 | 06 1004 | 06 1004 |
| 05 0816 | 05 0816 | 5480.00 | 78.302 | 06 1127 | 06 1127 |
| 05 0831 | 05 0831 | 7500.00 | 93.768 | 07 0419 | 07 0419 |
| 05 0907 | 05 0907 | 10000.00 | 106.114 | 07 0512 | 07 0512 |
| 05 1004 | 05 1004 | 14000.00 | 111.803 | 07 0528 | 07 0528 |
| 06 0221 | 06 0221 | 17500.00 | 118.803 | 07 0621 | 07 0621 |
| 06 0320 | 06 0320 | 25000.00 | 106.150 | 07 0625 | 07 0625 |
| 06 0326 | 06 0326 | 45000.00 | 101.851 | 07 0627 | 07 0627 |
| 06 0716 | 06 0716 | 75000.00 | 94.416 | 07 0708 | 07 0708 |
| 06 0813 | 06 0813 | 117000.00 | 52.088 | 07 0712 | 07 0712 |
| 06 0819 | 06 0819 | 150000.00 | 45.099 | 07 0731 | 07 0731 |
| 06 0828 | 06 0828 | 'CURVE17' | 082 13 0 0 | 07 0807 | 07 0807 |
| 06 0916 | 06 0916 | 03 0312 | 03 0312 | 07 0918 | 07 0918 |
| 06 1031 | 06 1031 | 03 0423 | 03 0423 | 07 0921 | 07 0921 |
| 07 0106 | 07 0106 | 03 0513 | 03 0513 | 07 0923 | 07 0923 |
| 07 0108 | 07 0108 | 03 0726 | 03 0726 | 07 1108 | 07 1108 |
| 07 0215 | 07 0215 | 03 0809 | 03 0809 | 07 1219 | 07 1219 |
| 07 0402 | 07 0402 | 03 0814 | 03 0814 | 08 0110 | 08 0110 |
| 07 0526 | 07 0526 | 03 0906 | 03 0906 | 08 0114 | 08 0114 |
| 07 0608 | 07 0608 | 03 0914 | 03 0914 | 08 0124 | 08 0124 |
| 07 0609 | 07 0609 | 03 0923 | 03 0923 | 08 0130 | 08 0130 |
| 07 0630 | 07 0630 | 03 1012 | 03 1012 | 08 0421 | 08 0421 |
| 07 0808 | 07 0808 | 03 1015 | 03 1015 | 08 0518 | 08 0518 |
| 07 0814 | 07 0814 | 03 1101 | 03 1101 | 08 0621 | 08 0621 |
| 07 0816 | 07 0816 | 03 1207 | 03 1207 | 08 0722 | 08 0722 |
| 07 0906 | 07 0906 | 03 1231 | 03 1231 | 08 0813 | 08 0813 |
| 07 0909 | 07 0909 | 04 0131 | 04 0131 | 08 0815 | 08 0815 |
| 07 0915 | 07 0915 | 04 0319 | 04 0319 | 08 0816 | 08 0816 |
| 07 1106 | 07 1106 | 04 0603 | 04 0603 | 08 0918 | 08 0918 |
| 07 1113 | 07 1113 | 04 0626 | 04 0626 | 08 1122 | 08 1122 |
| 07 1128 | 07 1128 | 04 0703 | 04 0703 | 08 1224 | 08 1224 |
| 07 1206 | 07 1206 | 04 0715 | 04 0715 | 0.00 | 0.000 |
| 07 1210 | 07 1210 | 04 0801 | 04 0801 | 2000.00 | 0.000 |
| 07 1216 | 07 1216 | 04 0806 | 04 0806 | 4000.00 | 48.895 |
| 07 1224 | 07 1224 | 04 0820 | 04 0820 | 5480.00 | 74.980 |
| 07 1229 | 07 1229 | 04 0831 | 04 0831 | 7500.00 | 89.790 |
| 08 0103 | 08 0103 | 04 1014 | 04 1014 | 10000.00 | 101.613 |
| 08 0111 | 08 0111 | 04 1015 | 04 1015 | 14000.00 | 107.061 |
| 08 0112 | 08 0112 | 04 1110 | 04 1110 | 17500.00 | 113.764 |
| 08 0116 | 08 0116 | 04 1127 | 04 1127 | 25000.00 | 101.647 |
| 08 0128 | 08 0128 | 05 0111 | 05 0111 | 45000.00 | 97.530 |
| 08 0201 | 08 0201 | 05 0125 | 05 0125 | 75000.00 | 90.411 |
| 08 0302 | 08 0302 | 05 0302 | 05 0302 | 117000.00 | 49.878 |
| 08 0417 | 08 0417 | 05 0323 | 05 0323 | 150000.00 | 43.186 |
| 08 0502 | 08 0502 | 05 0324 | 05 0324 | 'CURVE18' | 106 13 0 0 |
| 08 0508 | 08 0508 | 05 0408 | 05 0408 | 03 0118 | 03 0118 |
| 08 0510 | 08 0510 | 05 0409 | 05 0409 | 03 0406 | 03 0406 |
| 08 0521 | 08 0521 | 05 0410 | 05 0410 | 03 0422 | 03 0422 |
| 08 0602 | 08 0602 | 05 0420 | 05 0420 | 03 0626 | 03 0626 |
| 08 0619 | 08 0619 | 05 0422 | 05 0422 | 03 0709 | 03 0709 |
| 08 0622 | 08 0622 | 05 0427 | 05 0427 | 03 0930 | 03 0930 |
| 08 0803 | 08 0803 | 05 0609 | 05 0609 | 03 1016 | 03 1016 |

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|---------|---------|----------------------|---------|---------|---------|
| 03 1030 | 03 1030 | 07 0803 | 07 0803 | 03 0824 | 03 0824 |
| 03 1228 | 03 1228 | 07 0811 | 07 0811 | 03 0912 | 03 0912 |
| 04 0109 | 04 0109 | 07 0813 | 07 0813 | 03 0921 | 03 0921 |
| 04 0111 | 04 0111 | 07 0916 | 07 0916 | 03 0926 | 03 0926 |
| 04 0228 | 04 0228 | 07 1006 | 07 1006 | 03 1118 | 03 1118 |
| 04 0408 | 04 0408 | 07 1015 | 07 1015 | 03 1204 | 03 1204 |
| 04 0619 | 04 0619 | 07 1129 | 07 1129 | 03 1220 | 03 1220 |
| 04 0623 | 04 0623 | 07 1202 | 07 1202 | 03 1225 | 03 1225 |
| 04 0630 | 04 0630 | 07 1209 | 07 1209 | 04 0104 | 04 0104 |
| 04 0707 | 04 0707 | 07 1211 | 07 1211 | 04 0124 | 04 0124 |
| 04 0716 | 04 0716 | 07 1213 | 07 1213 | 04 0214 | 04 0214 |
| 04 0718 | 04 0718 | 07 1217 | 07 1217 | 04 0304 | 04 0304 |
| 04 0819 | 04 0819 | 07 1218 | 07 1218 | 04 0306 | 04 0306 |
| 04 0921 | 04 0921 | 07 1223 | 07 1223 | 04 0320 | 04 0320 |
| 04 1017 | 04 1017 | 07 1230 | 07 1230 | 04 0403 | 04 0403 |
| 04 1019 | 04 1019 | 07 1231 | 07 1231 | 04 0515 | 04 0515 |
| 04 1020 | 04 1020 | 08 0101 | 08 0101 | 04 0520 | 04 0520 |
| 04 1201 | 04 1201 | 08 0117 | 08 0117 | 04 0620 | 04 0620 |
| 05 0112 | 05 0112 | 08 0118 | 08 0118 | 04 0624 | 04 0624 |
| 05 0201 | 05 0201 | 08 0216 | 08 0216 | 04 0706 | 04 0706 |
| 05 0202 | 05 0202 | 08 0418 | 08 0418 | 04 0812 | 04 0812 |
| 05 0204 | 05 0204 | 08 0527 | 08 0527 | 04 0815 | 04 0815 |
| 05 0206 | 05 0206 | 08 0604 | 08 0604 | 04 0818 | 04 0818 |
| 05 0209 | 05 0209 | 08 0607 | 08 0607 | 04 0926 | 04 0926 |
| 05 0215 | 05 0215 | 08 0610 | 08 0610 | 04 1002 | 04 1002 |
| 05 0216 | 05 0216 | 08 0614 | 08 0614 | 04 1109 | 04 1109 |
| 05 0218 | 05 0218 | 08 0628 | 08 0628 | 04 1128 | 04 1128 |
| 05 0223 | 05 0223 | 08 0715 | 08 0715 | 04 1218 | 04 1218 |
| 05 0227 | 05 0227 | 08 0724 | 08 0724 | 05 0113 | 05 0113 |
| 05 0308 | 05 0308 | 08 0725 | 08 0725 | 05 0119 | 05 0119 |
| 05 0312 | 05 0312 | 08 0727 | 08 0727 | 05 0123 | 05 0123 |
| 05 0331 | 05 0331 | 08 0811 | 08 0811 | 05 0127 | 05 0127 |
| 05 0406 | 05 0406 | 08 0814 | 08 0814 | 05 0128 | 05 0128 |
| 05 0413 | 05 0413 | 08 0930 | 08 0930 | 05 0130 | 05 0130 |
| 05 0421 | 05 0421 | 08 1007 | 08 1007 | 05 0203 | 05 0203 |
| 05 0429 | 05 0429 | 08 1203 | 08 1203 | 05 0210 | 05 0210 |
| 05 0525 | 05 0525 | 0.00 0.000 | | 05 0405 | 05 0405 |
| 05 0604 | 05 0604 | 2000.00 0.000 | | 05 0414 | 05 0414 |
| 05 0613 | 05 0613 | 4000.00 46.880 | | 05 0520 | 05 0520 |
| 05 0616 | 05 0616 | 5480.00 71.890 | | 05 0530 | 05 0530 |
| 05 0620 | 05 0620 | 7500.00 86.090 | | 05 0614 | 05 0614 |
| 05 0623 | 05 0623 | 10000.00 97.426 | | 05 0615 | 05 0615 |
| 05 0830 | 05 0830 | 14000.00 102.649 | | 05 0617 | 05 0617 |
| 05 1205 | 05 1205 | 17500.00 109.076 | | 05 0706 | 05 0706 |
| 06 0515 | 06 0515 | 25000.00 97.458 | | 05 0821 | 05 0821 |
| 06 0810 | 06 0810 | 45000.00 93.511 | | 05 0827 | 05 0827 |
| 06 0907 | 06 0907 | 75000.00 86.686 | | 05 0903 | 05 0903 |
| 06 0910 | 06 0910 | 117000.00 47.823 | | 05 0912 | 05 0912 |
| 06 0912 | 06 0912 | 150000.00 41.407 | | 05 0920 | 05 0920 |
| 06 0921 | 06 0921 | 'CURVE19' 119 13 0 0 | | 05 1001 | 05 1001 |
| 06 0924 | 06 0924 | 03 0105 03 0105 | | 05 1022 | 05 1022 |
| 06 0930 | 06 0930 | 03 0107 03 0107 | | 05 1202 | 05 1202 |
| 06 1002 | 06 1002 | 03 0108 03 0108 | | 06 0213 | 06 0213 |
| 06 1005 | 06 1005 | 03 0125 03 0125 | | 06 0403 | 06 0403 |
| 06 1029 | 06 1029 | 03 0329 03 0329 | | 06 0512 | 06 0512 |
| 06 1207 | 06 1207 | 03 0412 03 0412 | | 06 0717 | 06 0717 |
| 07 0212 | 07 0212 | 03 0524 03 0524 | | 06 0720 | 06 0720 |
| 07 0612 | 07 0612 | 03 0607 03 0607 | | 06 0829 | 06 0829 |
| 07 0617 | 07 0617 | 03 0621 03 0621 | | 06 0914 | 06 0914 |
| 07 0620 | 07 0620 | 03 0622 03 0622 | | 06 0915 | 06 0915 |
| 07 0710 | 07 0710 | 03 0627 03 0627 | | 07 0527 | 07 0527 |
| 07 0722 | 07 0722 | 03 0630 03 0630 | | 07 0629 | 07 0629 |
| 07 0730 | 07 0730 | 03 0821 03 0821 | | 07 0704 | 07 0704 |

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| 07 0716 | 07 0716 | 03 0517 | 03 0517 | 07 0714 | 07 0714 |
| 07 0717 | 07 0717 | 03 0614 | 03 0614 | 07 0718 | 07 0718 |
| 07 0727 | 07 0727 | 03 0802 | 03 0802 | 07 0724 | 07 0724 |
| 07 0729 | 07 0729 | 03 0927 | 03 0927 | 07 0726 | 07 0726 |
| 07 0812 | 07 0812 | 03 1018 | 03 1018 | 07 0728 | 07 0728 |
| 07 0905 | 07 0905 | 03 1213 | 03 1213 | 07 0804 | 07 0804 |
| 07 1004 | 07 1004 | 03 1226 | 03 1226 | 07 0810 | 07 0810 |
| 07 1013 | 07 1013 | 04 0117 | 04 0117 | 07 0927 | 07 0927 |
| 07 1019 | 07 1019 | 04 0207 | 04 0207 | 07 1001 | 07 1001 |
| 07 1101 | 07 1101 | 04 0221 | 04 0221 | 07 1020 | 07 1020 |
| 07 1115 | 07 1115 | 04 0327 | 04 0327 | 07 1021 | 07 1021 |
| 07 1118 | 07 1118 | 04 0410 | 04 0410 | 07 1028 | 07 1028 |
| 07 1119 | 07 1119 | 04 0417 | 04 0417 | 07 1031 | 07 1031 |
| 07 1203 | 07 1203 | 04 0501 | 04 0501 | 07 1105 | 07 1105 |
| 07 1204 | 07 1204 | 04 0508 | 04 0508 | 07 1109 | 07 1109 |
| 07 1205 | 07 1205 | 04 0602 | 04 0602 | 07 1124 | 07 1124 |
| 07 1212 | 07 1212 | 04 0629 | 04 0629 | 07 1127 | 07 1127 |
| 07 1220 | 07 1220 | 04 0713 | 04 0713 | 07 1201 | 07 1201 |
| 07 1221 | 07 1221 | 04 0727 | 04 0727 | 07 1214 | 07 1214 |
| 07 1225 | 07 1225 | 04 0911 | 04 0911 | 08 0102 | 08 0102 |
| 07 1227 | 07 1227 | 04 0923 | 04 0923 | 08 0107 | 08 0107 |
| 07 1228 | 07 1228 | 04 1106 | 04 1106 | 08 0115 | 08 0115 |
| 08 0104 | 08 0104 | 04 1120 | 04 1120 | 08 0119 | 08 0119 |
| 08 0105 | 08 0105 | 04 1204 | 04 1204 | 08 0121 | 08 0121 |
| 08 0125 | 08 0125 | 05 0108 | 05 0108 | 08 0513 | 08 0513 |
| 08 0129 | 08 0129 | 05 0116 | 05 0116 | 08 0530 | 08 0530 |
| 08 0222 | 08 0222 | 05 0120 | 05 0120 | 08 0620 | 08 0620 |
| 08 0223 | 08 0223 | 05 0121 | 05 0121 | 08 0629 | 08 0629 |
| 08 0304 | 08 0304 | 05 0124 | 05 0124 | 08 0723 | 08 0723 |
| 08 0320 | 08 0320 | 05 0126 | 05 0126 | 08 0920 | 08 0920 |
| 08 0522 | 08 0522 | 05 0211 | 05 0211 | 08 1003 | 08 1003 |
| 08 0605 | 08 0605 | 05 0219 | 05 0219 | 08 1114 | 08 1114 |
| 08 0606 | 08 0606 | 05 0221 | 05 0221 | 08 1115 | 08 1115 |
| 08 0714 | 08 0714 | 05 0225 | 05 0225 | 08 1223 | 08 1223 |
| 08 0726 | 08 0726 | 05 0326 | 05 0326 | 0.00 | 0.000 |
| 08 0923 | 08 0923 | 05 0329 | 05 0329 | 2000.00 | 0.000 |
| 08 1009 | 08 1009 | 05 0330 | 05 0330 | 4000.00 | 40.566 |
| 08 1026 | 08 1026 | 05 0417 | 05 0417 | 5480.00 | 62.208 |
| 08 1105 | 08 1105 | 05 0503 | 05 0503 | 7500.00 | 74.495 |
| 08 1110 | 08 1110 | 05 0527 | 05 0527 | 10000.00 | 84.304 |
| 08 1113 | 08 1113 | 05 0531 | 05 0531 | 14000.00 | 88.824 |
| 08 1119 | 08 1119 | 05 0607 | 05 0607 | 17500.00 | 94.385 |
| 08 1127 | 08 1127 | 05 0714 | 05 0714 | 25000.00 | 84.332 |
| 0.00 | 0.000 | 05 0728 | 05 0728 | 45000.00 | 80.917 |
| 2000.00 | 0.000 | 05 0917 | 05 0917 | 75000.00 | 75.010 |
| 4000.00 | 43.990 | 05 0926 | 05 0926 | 117000.00 | 41.382 |
| 5480.00 | 67.458 | 05 1105 | 05 1105 | 150000.00 | 35.830 |
| 7500.00 | 80.783 | 06 0410 | 06 0410 | 'CURVE21' | 079 13 0 0 |
| 10000.00 | 91.419 | 06 0530 | 06 0530 | 03 0101 | 03 0101 |
| 14000.00 | 96.321 | 06 0718 | 06 0718 | 03 0111 | 03 0111 |
| 17500.00 | 102.351 | 06 0719 | 06 0719 | 03 0201 | 03 0201 |
| 25000.00 | 91.450 | 06 0811 | 06 0811 | 03 0215 | 03 0215 |
| 45000.00 | 87.746 | 06 0826 | 06 0826 | 03 0301 | 03 0301 |
| 75000.00 | 81.341 | 06 0905 | 06 0905 | 03 0308 | 03 0308 |
| 117000.00 | 44.874 | 06 0929 | 06 0929 | 03 0322 | 03 0322 |
| 150000.00 | 38.854 | 06 1003 | 06 1003 | 03 0510 | 03 0510 |
| 'CURVE20' | 103 13 0 0 | 07 0101 | 07 0101 | 03 0531 | 03 0531 |
| 03 0208 | 03 0208 | 07 0105 | 07 0105 | 03 0629 | 03 0629 |
| 03 0222 | 03 0222 | 07 0418 | 07 0418 | 03 0704 | 03 0704 |
| 03 0315 | 03 0315 | 07 0603 | 07 0603 | 03 0719 | 03 0719 |
| 03 0419 | 03 0419 | 07 0706 | 07 0706 | 03 0818 | 03 0818 |
| 03 0426 | 03 0426 | 07 0709 | 07 0709 | 03 0819 | 03 0819 |
| 03 0503 | 03 0503 | 07 0713 | 07 0713 | 03 0916 | 03 0916 |

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|---------|---------|-----------|------------|-----------|------------|
| 03 1004 | 03 1004 | 08 1031 | 08 1031 | 75000.00 | 55.239 |
| 03 1022 | 03 1022 | 0.00 | 0.000 | 117000.00 | 30.474 |
| 04 0101 | 04 0101 | 2000.00 | 0.000 | 150000.00 | 26.386 |
| 04 0103 | 04 0103 | 4000.00 | 35.607 | 'CURVE23' | 017 13 0 0 |
| 04 0313 | 04 0313 | 5480.00 | 54.602 | 03 0701 | 03 0701 |
| 04 0424 | 04 0424 | 7500.00 | 65.387 | 03 0816 | 03 0816 |
| 04 0522 | 04 0522 | 10000.00 | 73.997 | 03 0825 | 03 0825 |
| 04 0605 | 04 0605 | 14000.00 | 77.964 | 03 1107 | 03 1107 |
| 04 0612 | 04 0612 | 17500.00 | 82.845 | 03 1108 | 03 1108 |
| 04 0625 | 04 0625 | 25000.00 | 74.022 | 04 0708 | 04 0708 |
| 04 0717 | 04 0717 | 45000.00 | 71.024 | 04 0821 | 04 0821 |
| 04 0803 | 04 0803 | 75000.00 | 65.840 | 04 1016 | 04 1016 |
| 04 0807 | 04 0807 | 117000.00 | 36.322 | 04 1023 | 04 1023 |
| 04 0904 | 04 0904 | 150000.00 | 31.449 | 05 0423 | 05 0423 |
| 04 0918 | 04 0918 | 'CURVE22' | 038 13 0 0 | 05 0522 | 05 0522 |
| 04 1021 | 04 1021 | 03 0405 | 03 0405 | 07 0514 | 07 0514 |
| 04 1030 | 04 1030 | 03 0712 | 03 0712 | 07 1009 | 07 1009 |
| 04 1113 | 04 1113 | 03 0817 | 03 0817 | 07 1025 | 07 1025 |
| 04 1125 | 04 1125 | 03 0831 | 03 0831 | 07 1026 | 07 1026 |
| 04 1211 | 04 1211 | 03 0901 | 03 0901 | 07 1123 | 07 1123 |
| 04 1224 | 04 1224 | 03 1115 | 03 1115 | 08 0925 | 08 0925 |
| 05 0118 | 05 0118 | 03 1216 | 03 1216 | 0.00 | 0.000 |
| 05 0208 | 05 0208 | 03 1217 | 03 1217 | 2000.00 | 0.000 |
| 05 0226 | 05 0226 | 04 0110 | 04 0110 | 4000.00 | 23.207 |
| 05 0311 | 05 0311 | 04 0618 | 04 0618 | 5480.00 | 35.588 |
| 05 0325 | 05 0325 | 04 0814 | 04 0814 | 7500.00 | 42.617 |
| 05 0407 | 05 0407 | 05 0115 | 05 0115 | 10000.00 | 48.229 |
| 05 0416 | 05 0416 | 05 0122 | 05 0122 | 14000.00 | 50.814 |
| 05 0430 | 05 0430 | 05 0129 | 05 0129 | 17500.00 | 53.996 |
| 05 0523 | 05 0523 | 05 0205 | 05 0205 | 25000.00 | 48.245 |
| 05 0804 | 05 0804 | 05 0212 | 05 0212 | 45000.00 | 46.291 |
| 05 0806 | 05 0806 | 05 0305 | 05 0305 | 75000.00 | 42.912 |
| 05 0820 | 05 0820 | 05 0319 | 05 0319 | 117000.00 | 23.674 |
| 05 0916 | 05 0916 | 05 0402 | 05 0402 | 150000.00 | 20.498 |
| 05 1008 | 05 1008 | 05 0516 | 05 0516 | 'CURVE24' | 000 13 0 0 |
| 05 1015 | 05 1015 | 05 0605 | 05 0605 | 0.00 | 0.000 |
| 05 1029 | 05 1029 | 05 0813 | 05 0813 | 2000.00 | 0.000 |
| 06 0630 | 06 0630 | 06 0226 | 06 0226 | 4000.00 | 23.207 |
| 06 0721 | 06 0721 | 07 0104 | 07 0104 | 5480.00 | 35.588 |
| 07 0102 | 07 0102 | 07 0607 | 07 0607 | 7500.00 | 42.617 |
| 07 0103 | 07 0103 | 07 0711 | 07 0711 | 10000.00 | 48.229 |
| 07 0715 | 07 0715 | 07 0720 | 07 0720 | 14000.00 | 50.814 |
| 07 0719 | 07 0719 | 07 0723 | 07 0723 | 17500.00 | 53.996 |
| 07 0721 | 07 0721 | 07 1008 | 07 1008 | 25000.00 | 48.245 |
| 07 0801 | 07 0801 | 07 1024 | 07 1024 | 45000.00 | 46.291 |
| 07 0802 | 07 0802 | 07 1027 | 07 1027 | 75000.00 | 42.912 |
| 07 0806 | 07 0806 | 07 1029 | 07 1029 | 117000.00 | 23.674 |
| 07 0809 | 07 0809 | 07 1030 | 07 1030 | 150000.00 | 20.498 |
| 07 0825 | 07 0825 | 07 1122 | 07 1122 | 'CURVE25' | 011 13 0 0 |
| 07 0912 | 07 0912 | 07 1125 | 07 1125 | 03 0628 | 03 0628 |
| 07 0914 | 07 0914 | 08 0123 | 08 0123 | 03 0815 | 03 0815 |
| 07 1007 | 07 1007 | 08 0926 | 08 0926 | 03 0823 | 03 0823 |
| 07 1012 | 07 1012 | 08 1120 | 08 1120 | 03 0920 | 03 0920 |
| 07 1102 | 07 1102 | 0.00 | 0.000 | 03 1011 | 03 1011 |
| 07 1116 | 07 1116 | 2000.00 | 0.000 | 04 0702 | 04 0702 |
| 07 1120 | 07 1120 | 4000.00 | 29.874 | 05 0711 | 05 0711 |
| 07 1126 | 07 1126 | 5480.00 | 45.811 | 07 0628 | 07 0628 |
| 07 1207 | 07 1207 | 7500.00 | 54.860 | 07 0901 | 07 0901 |
| 08 0122 | 08 0122 | 10000.00 | 62.083 | 07 1010 | 07 1010 |
| 08 0126 | 08 0126 | 14000.00 | 65.411 | 07 1011 | 07 1011 |
| 08 0630 | 08 0630 | 17500.00 | 69.507 | 0.00 | 0.000 |
| 08 1008 | 08 1008 | 25000.00 | 62.104 | 2000.00 | 0.000 |
| 08 1017 | 08 1017 | 45000.00 | 59.589 | 4000.00 | 14.207 |

5480.00 21.786
7500.00 26.089
10000.00 29.524
14000.00 31.107

17500.00 33.055
25000.00 29.534
45000.00 28.338
75000.00 26.269

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150000.00 12.548

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